

Fig. 1

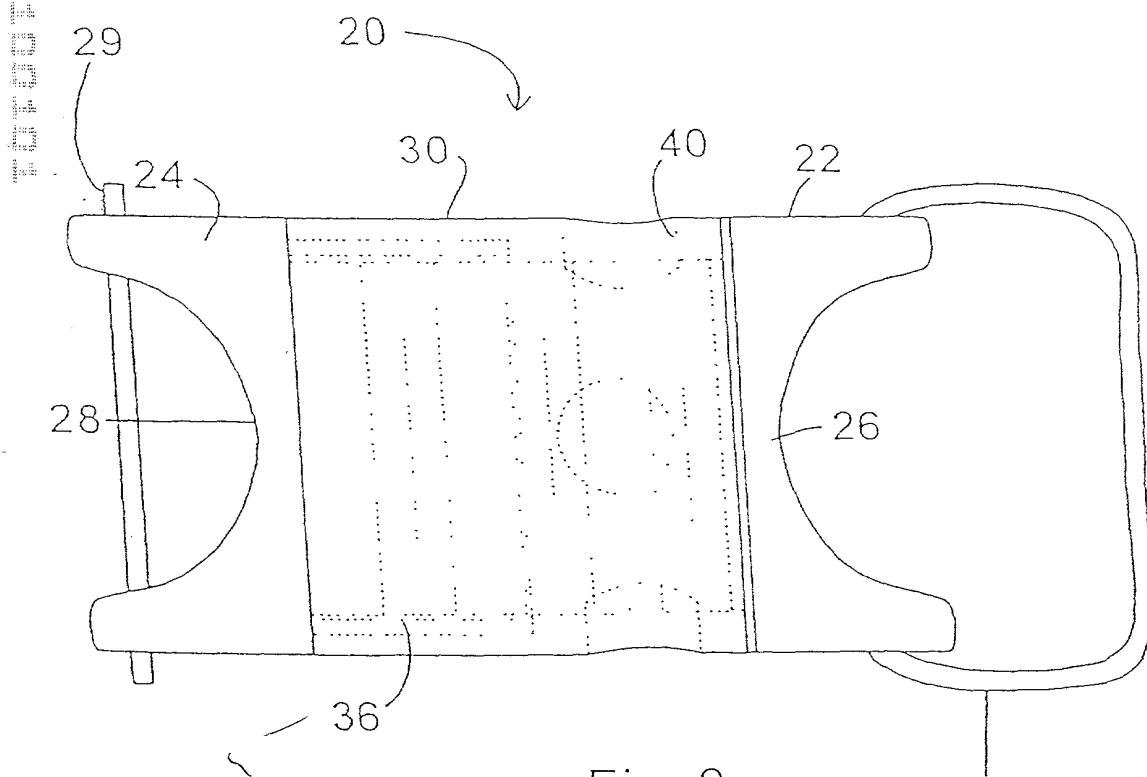


Fig. 2

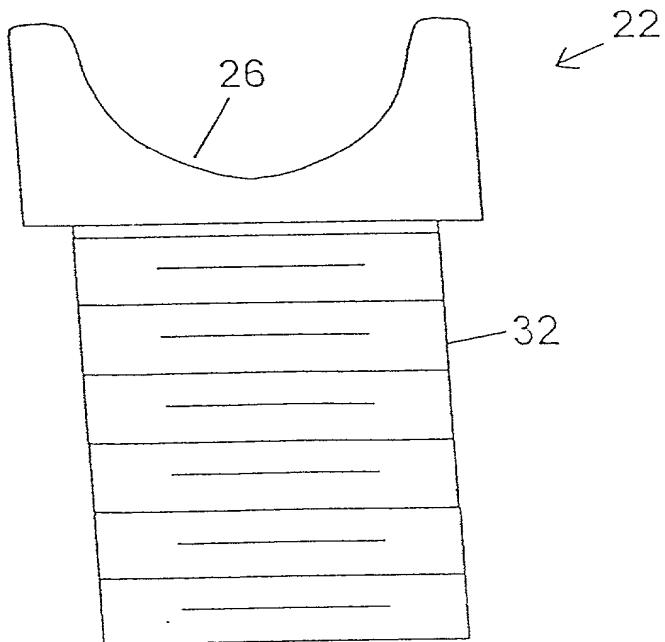


Fig. 3a

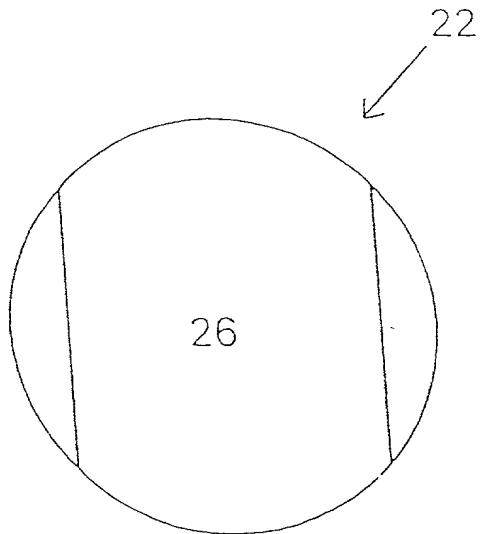


Fig. 3b

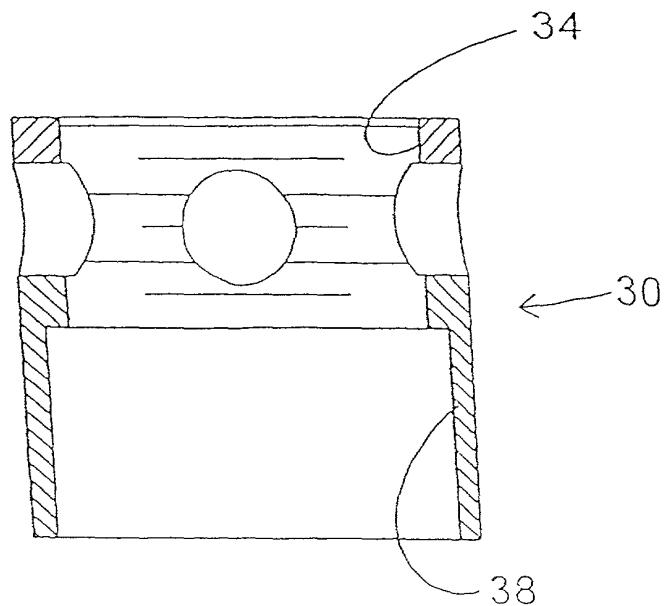


Fig. 4a

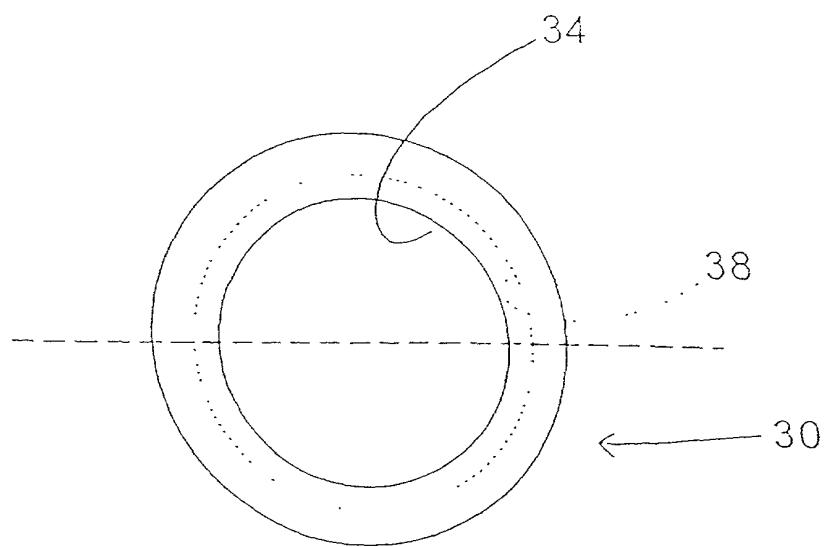


Fig. 4b

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 4 of 104

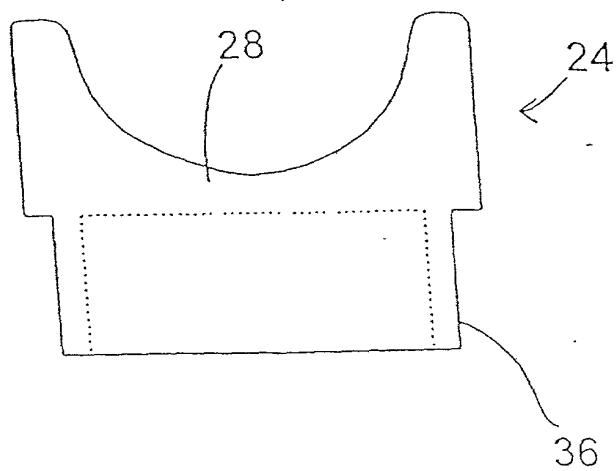


Fig. 5a

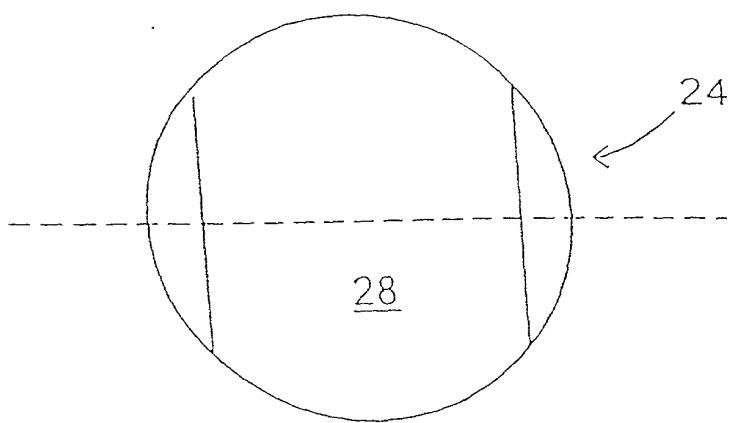


Fig. 5b

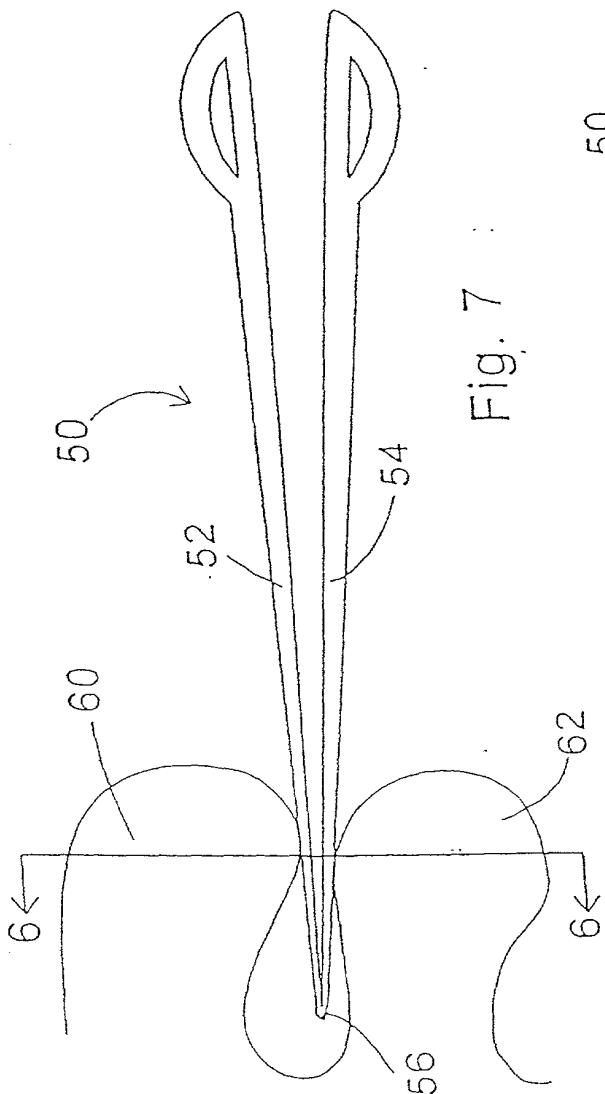


Fig. 7

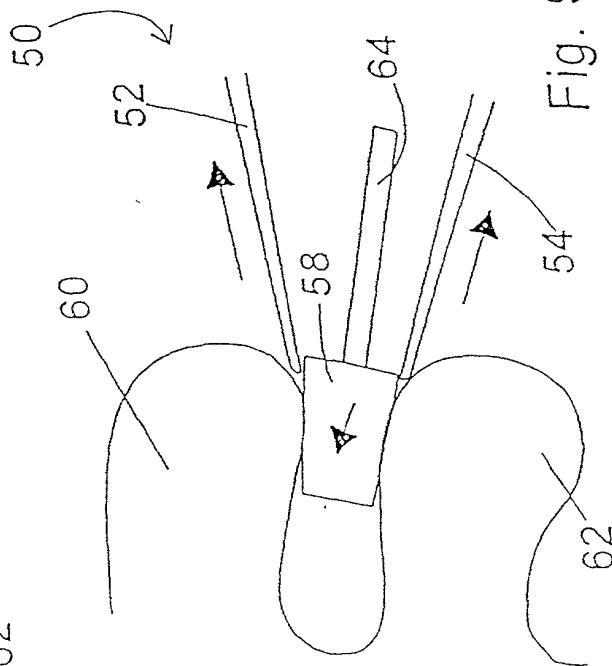


Fig. 9

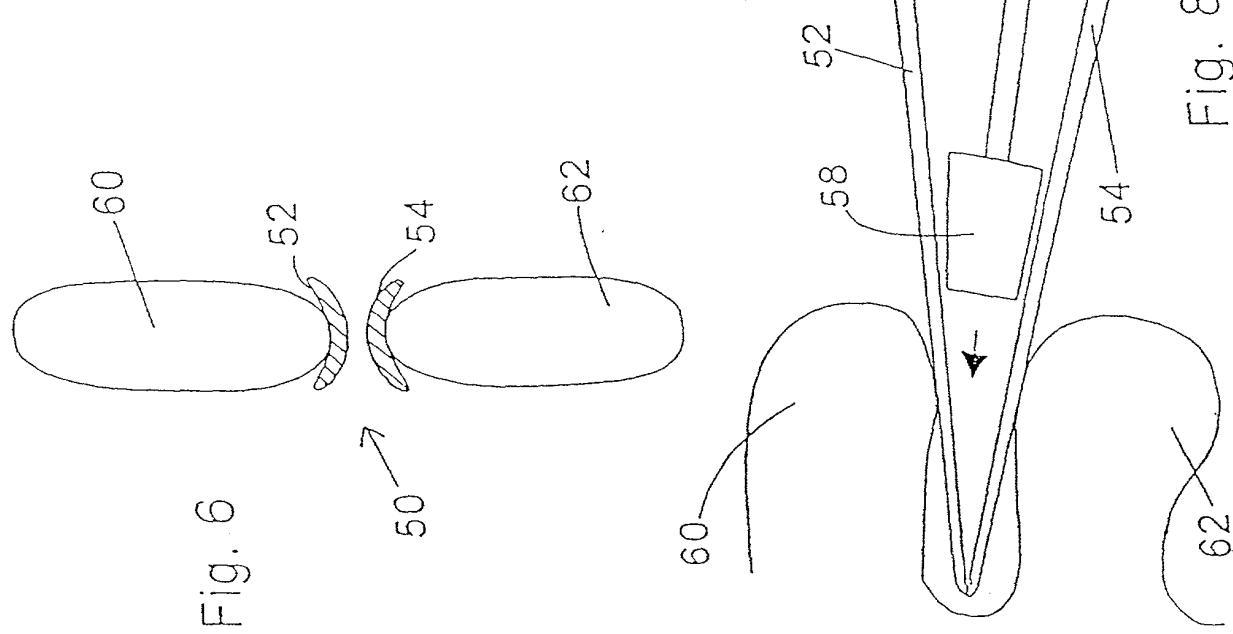


Fig. 9

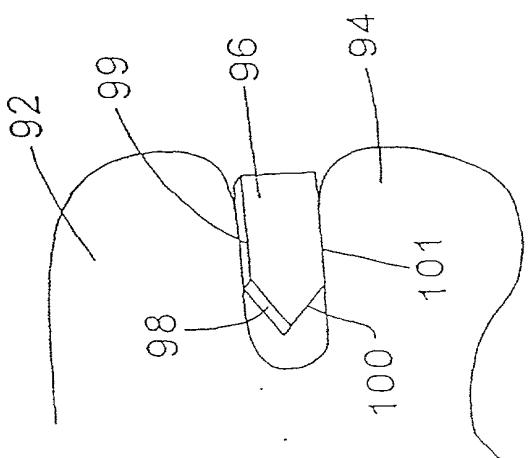


Fig. 11

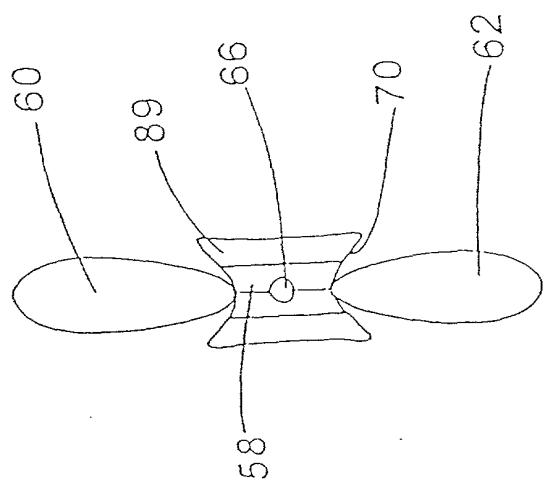


Fig. 10

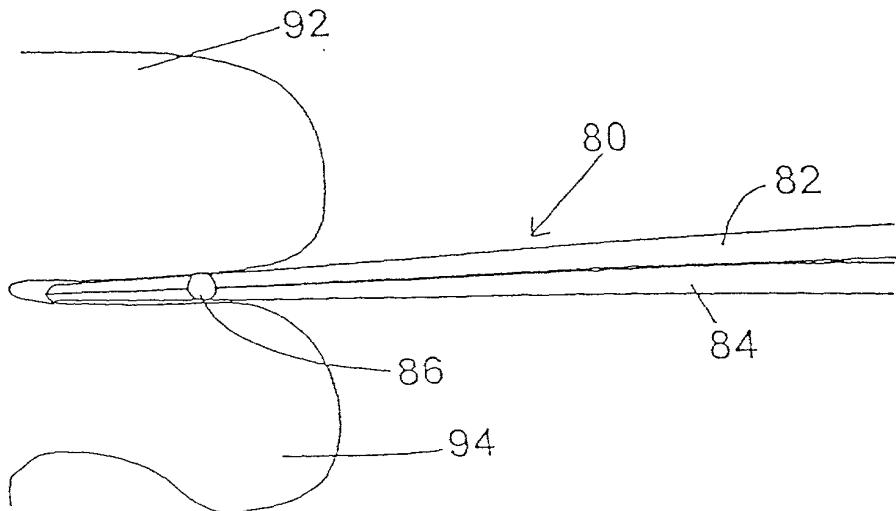


Fig. 12

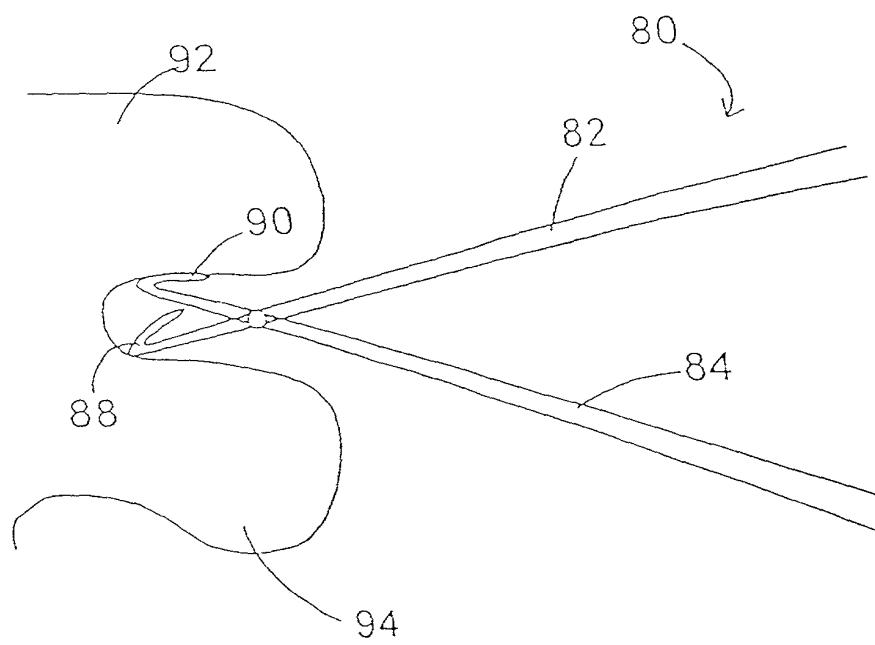


Fig. 13

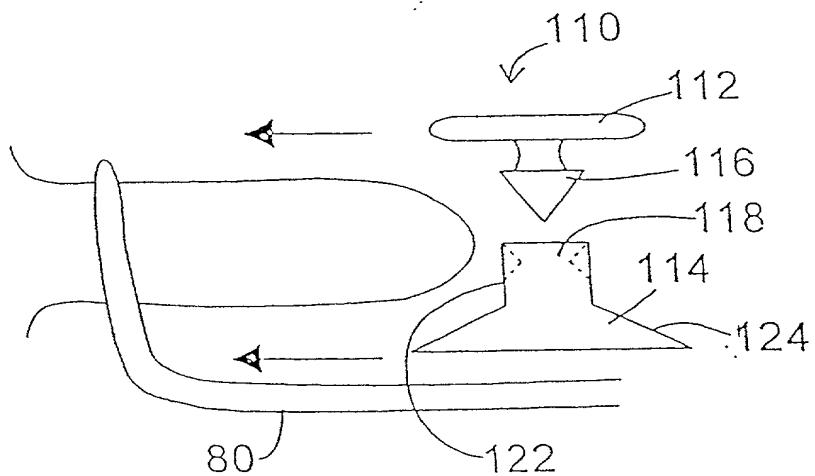


Fig. 14

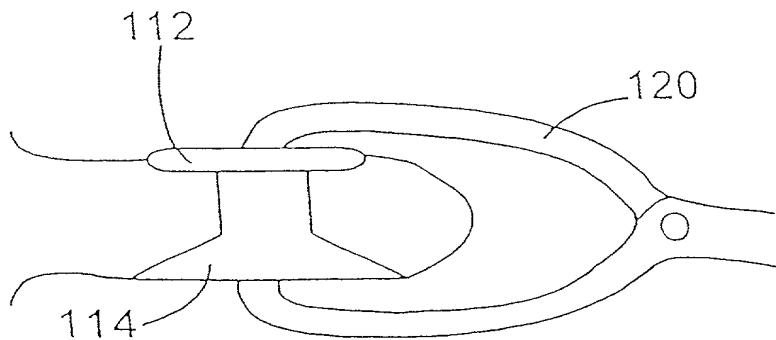


Fig. 15

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 9 of 104

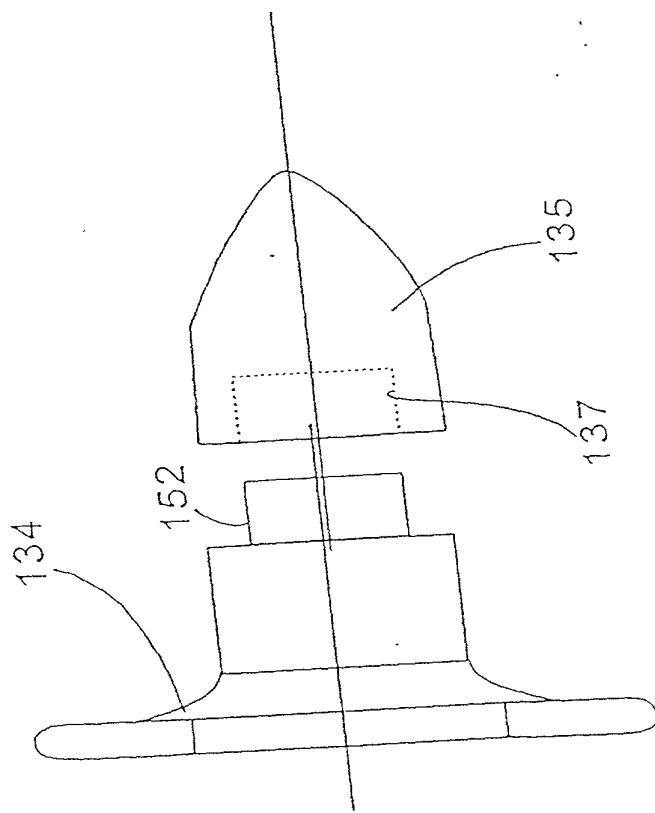


Fig. 16a

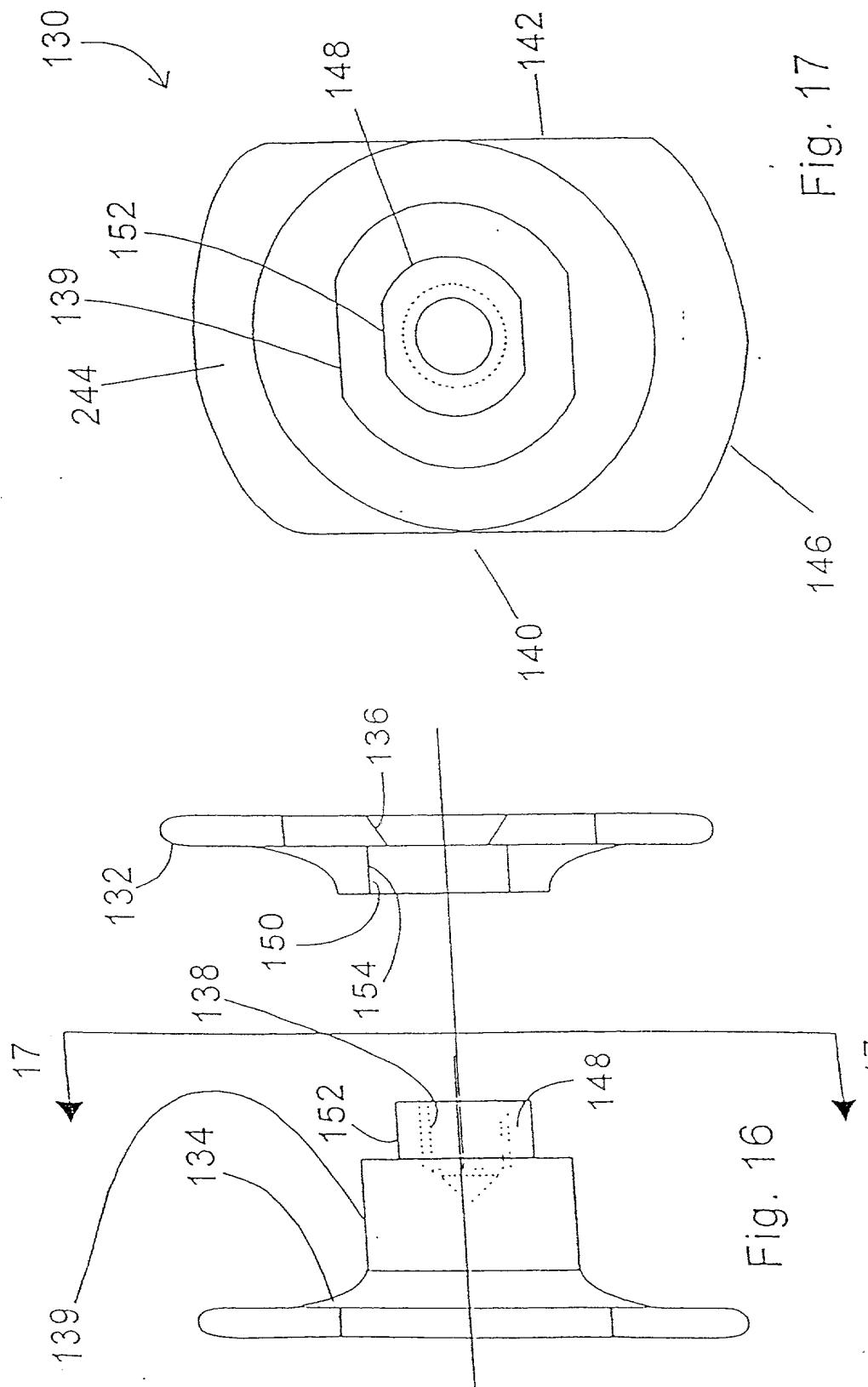


Fig. 17

Fig. 16

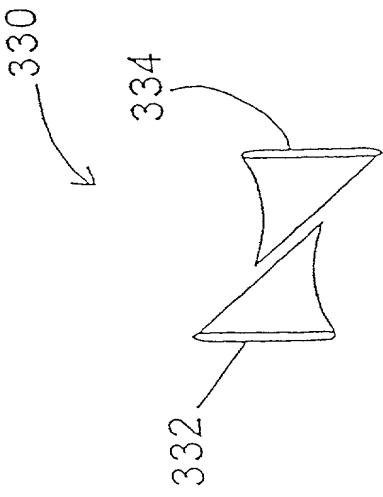


Fig. 18

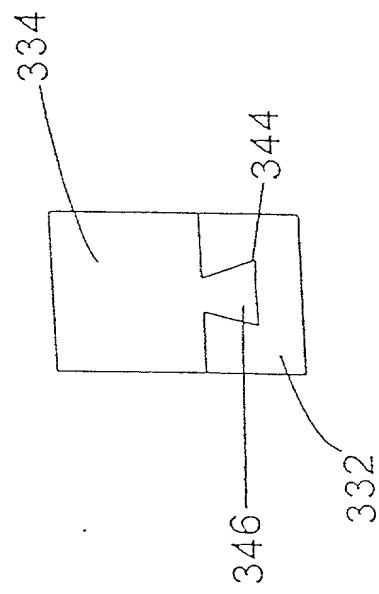


Fig. 19

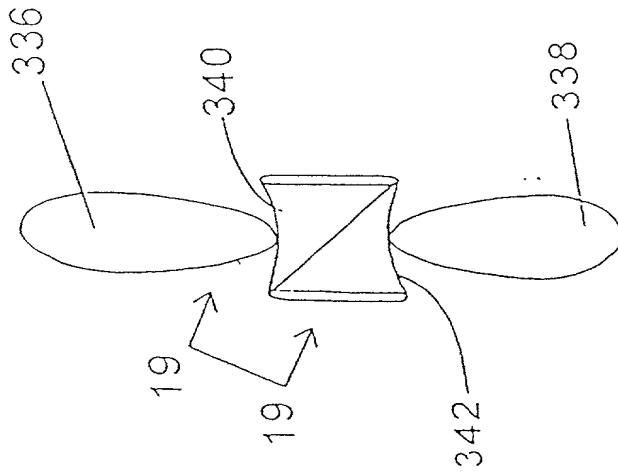


Fig. 20

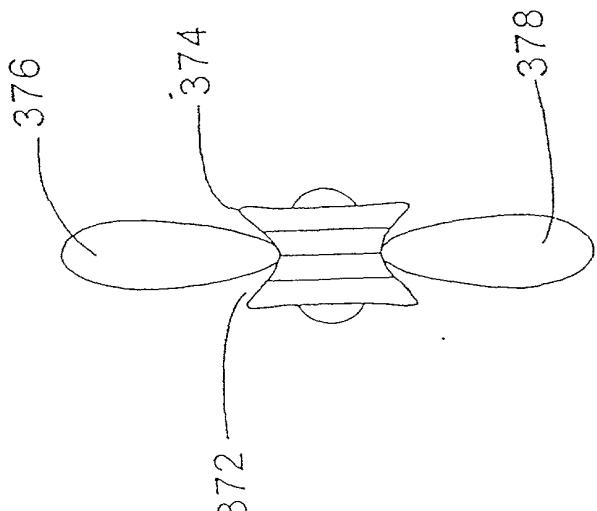


Fig. 22

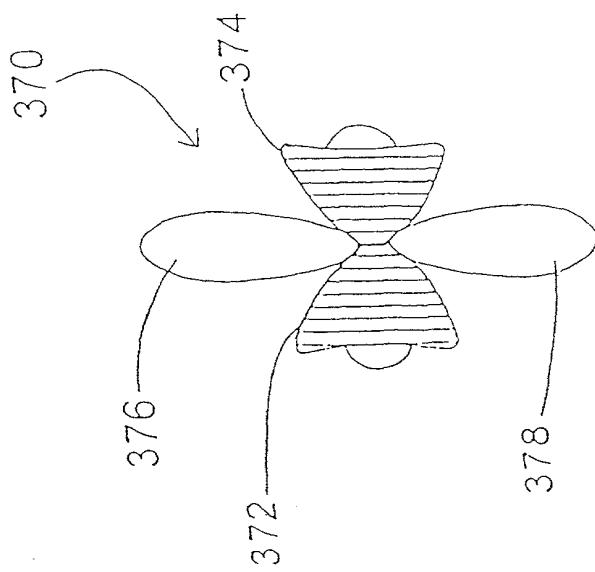


Fig. 21

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 13 of 104

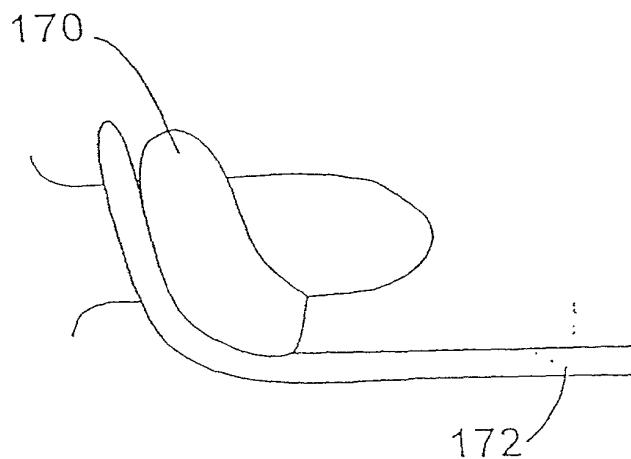


Fig. 24

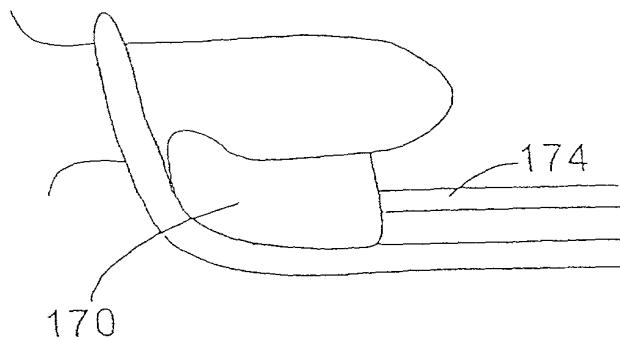


Fig. 23

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 14 of 104

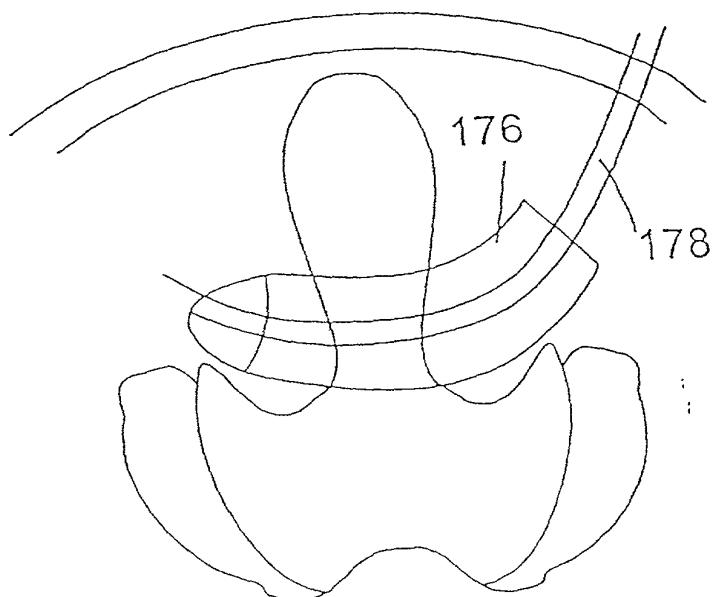


Fig. 25

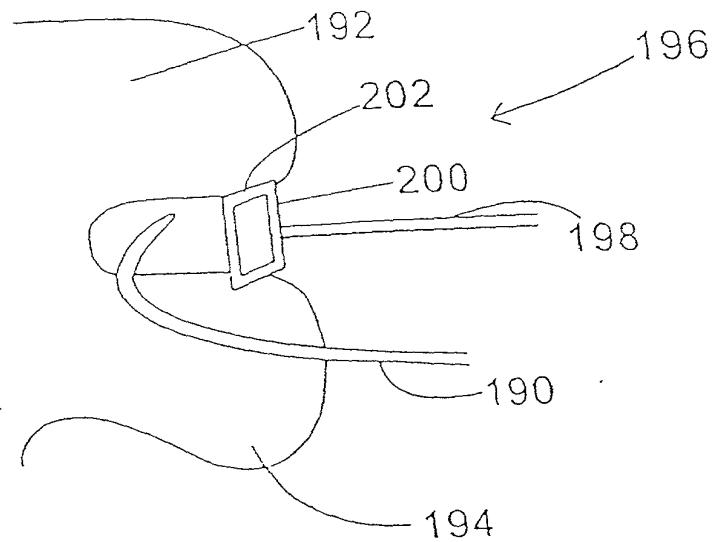


Fig. 26

Fig. 28

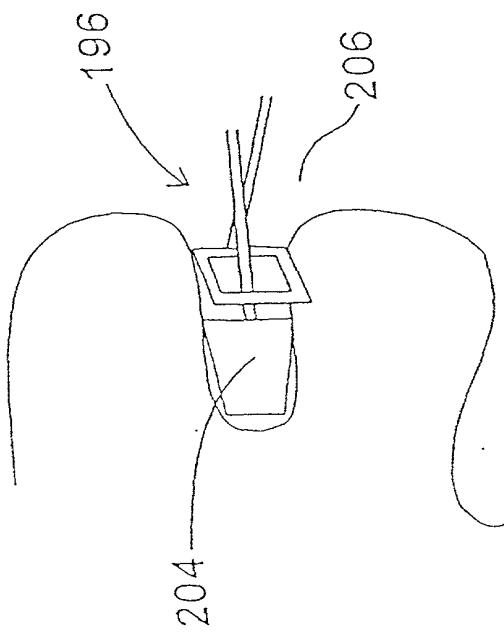


Fig. 27

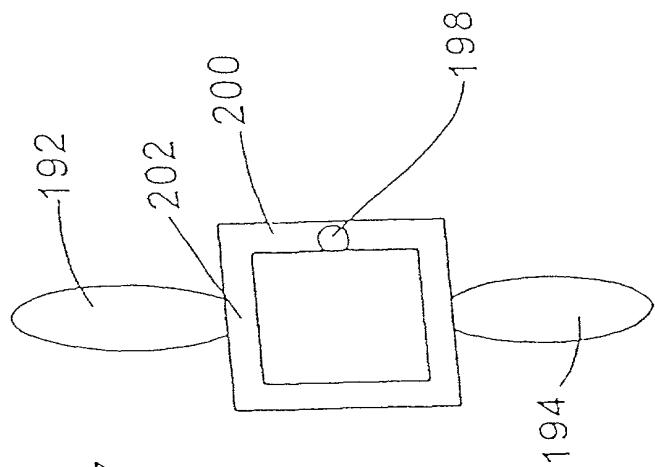


Fig. 29

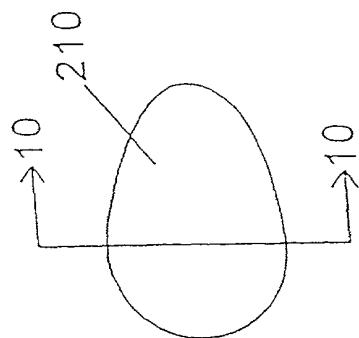
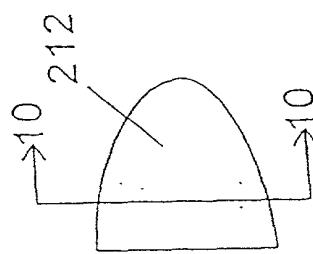


Fig. 30



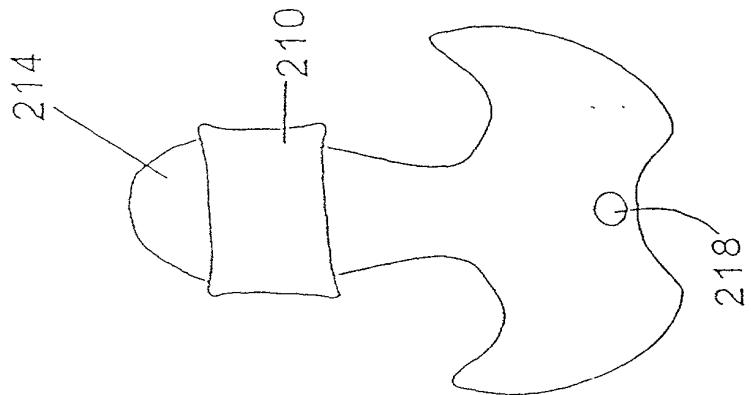
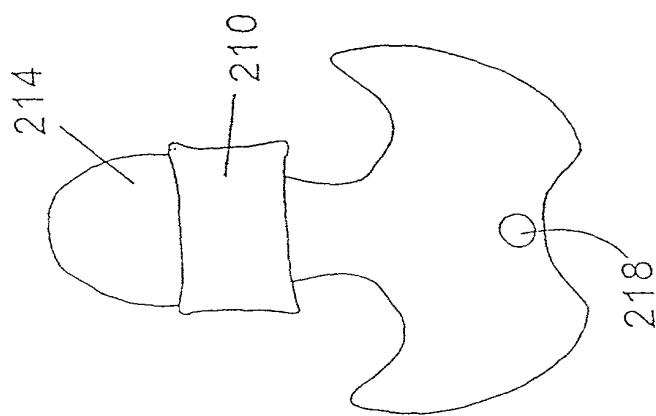
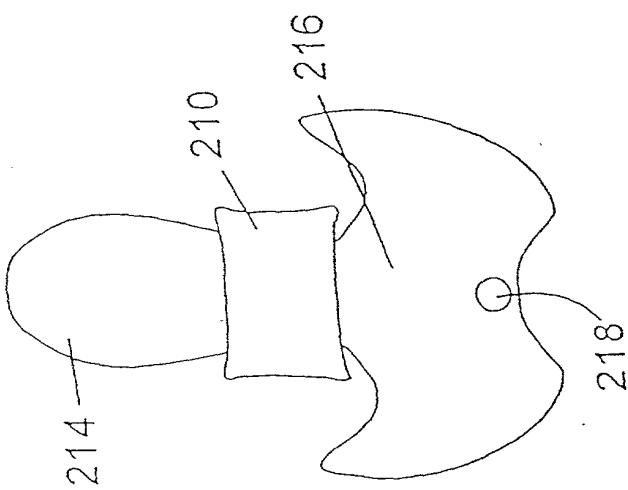


Fig. 34

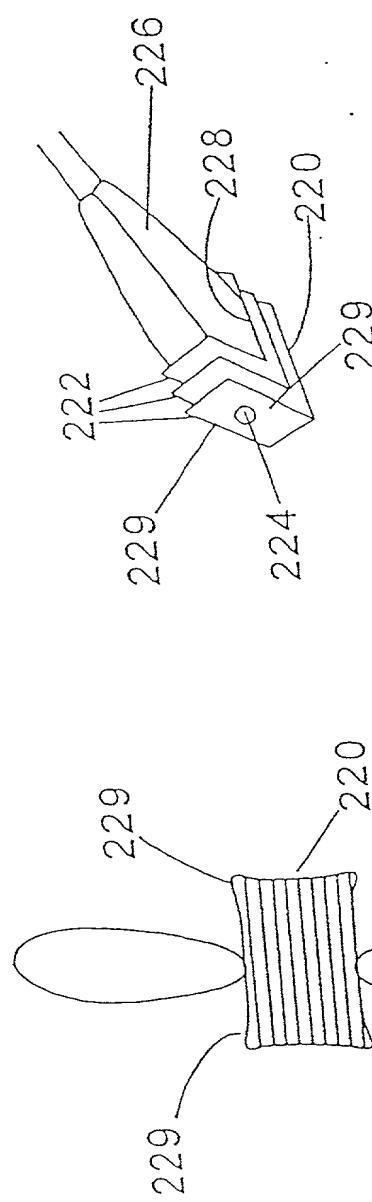


Fig. 35

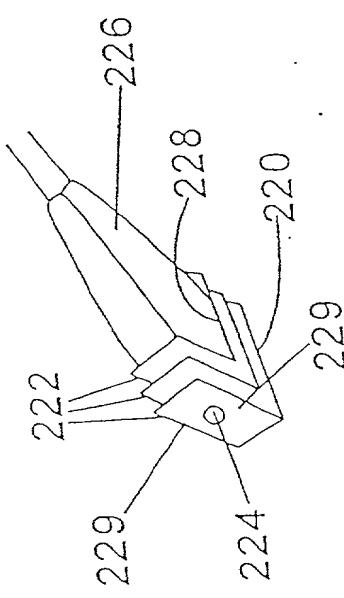


Fig. 36

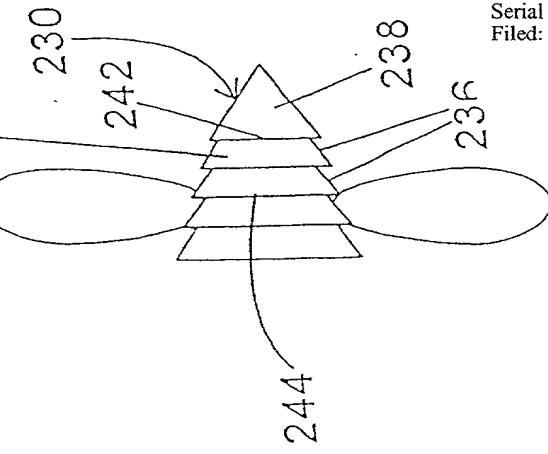


Fig. 37

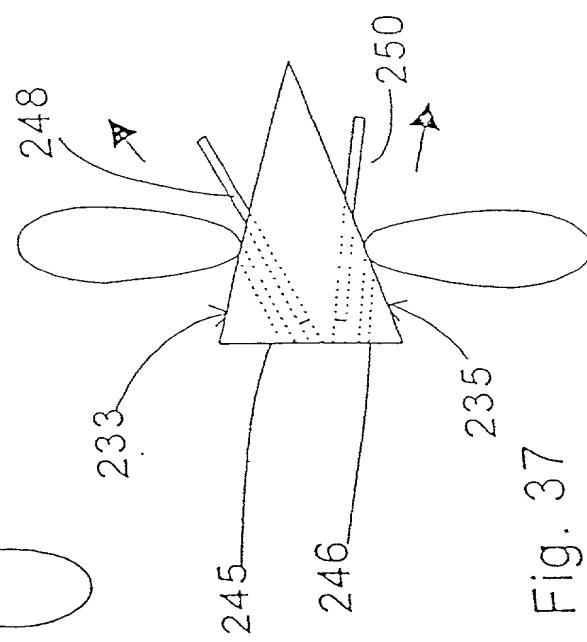


Fig. 37

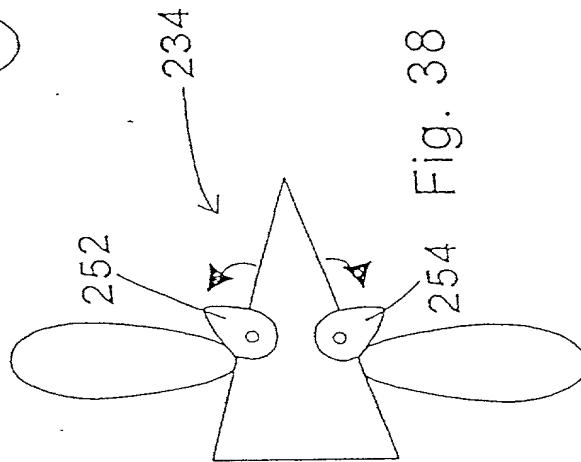
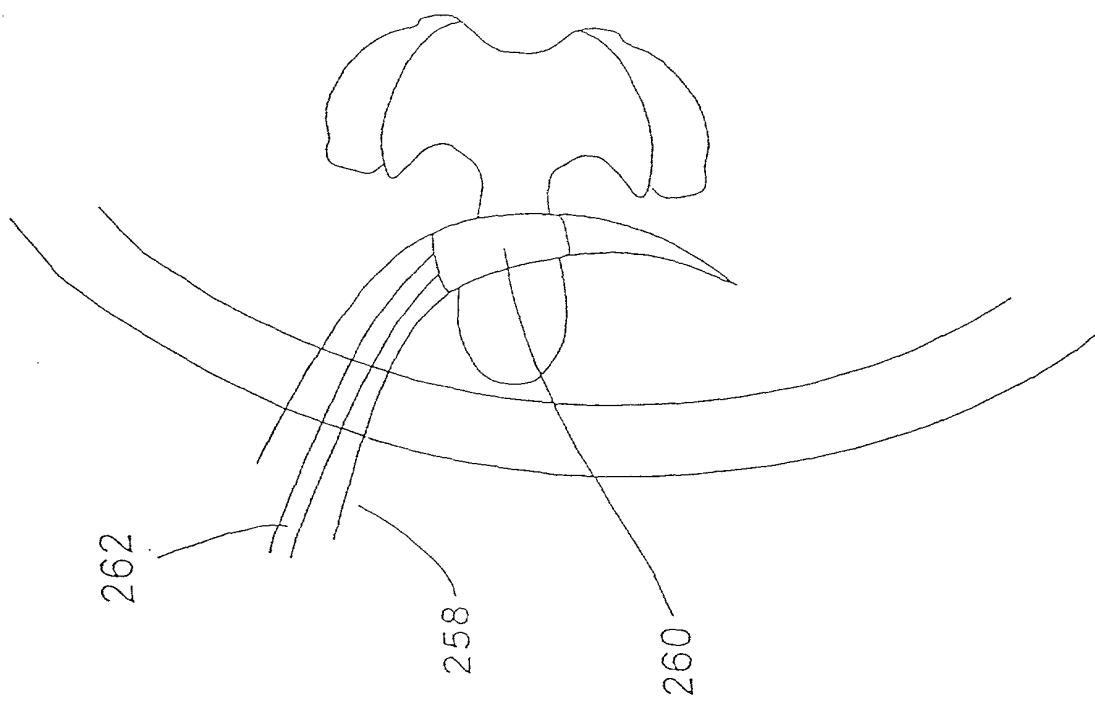


Fig. 38

Fig. 34

Fig. 39



Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 19 of 104

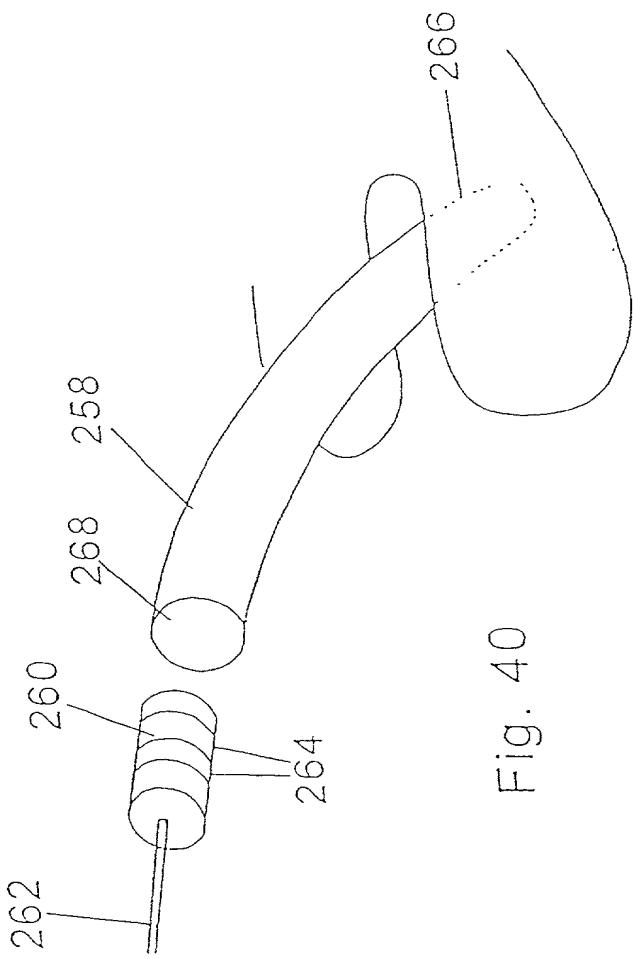


Fig. 40

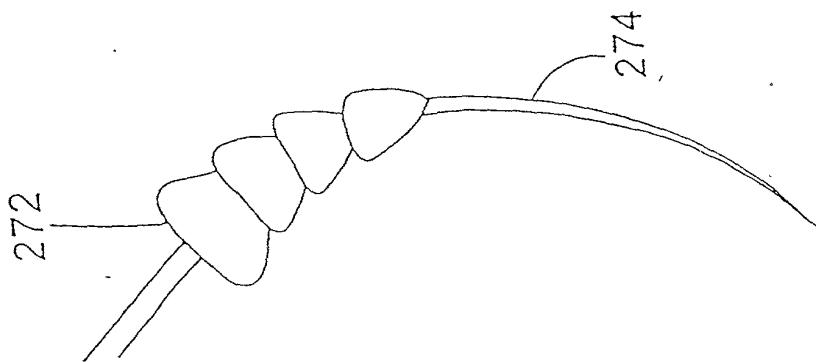


Fig. 43

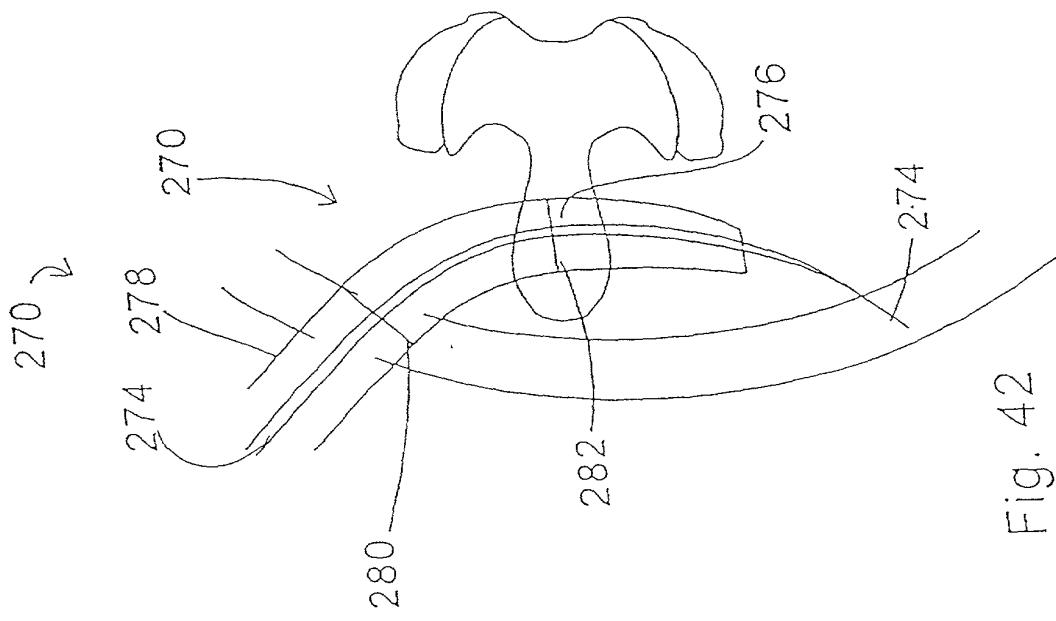


Fig. 42

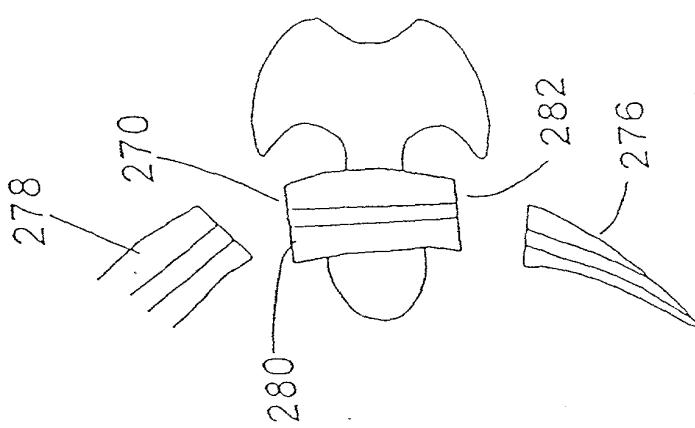


Fig. 41

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 21 of 104

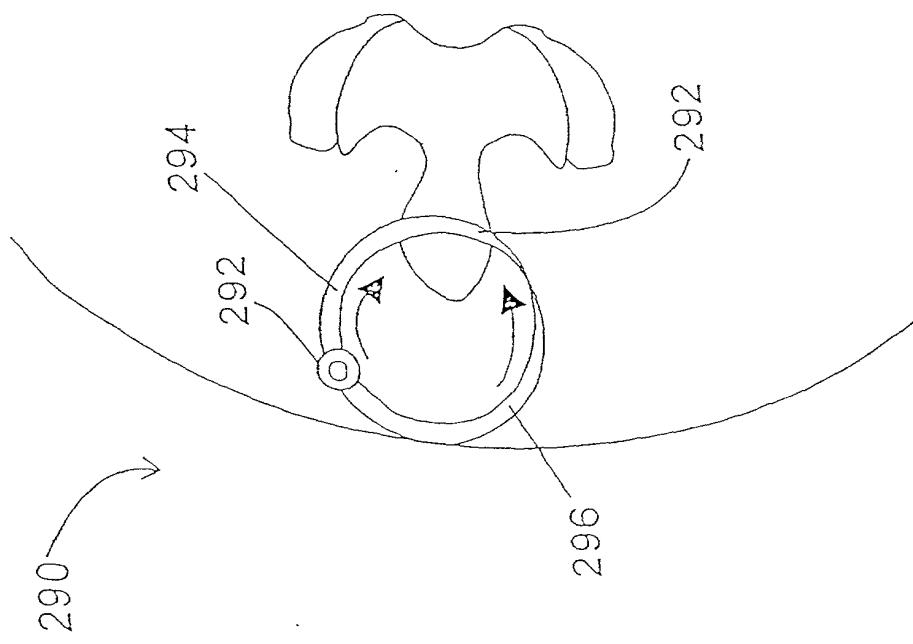


Fig. 44

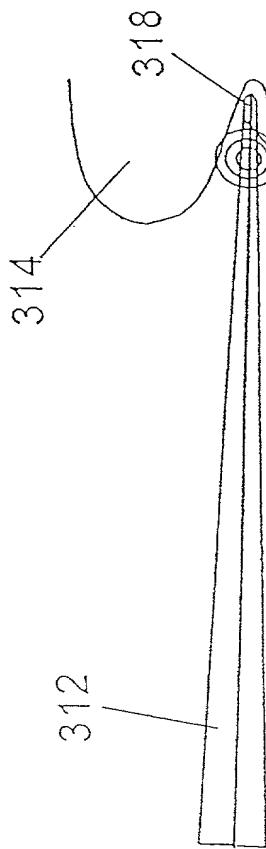


Fig. 47

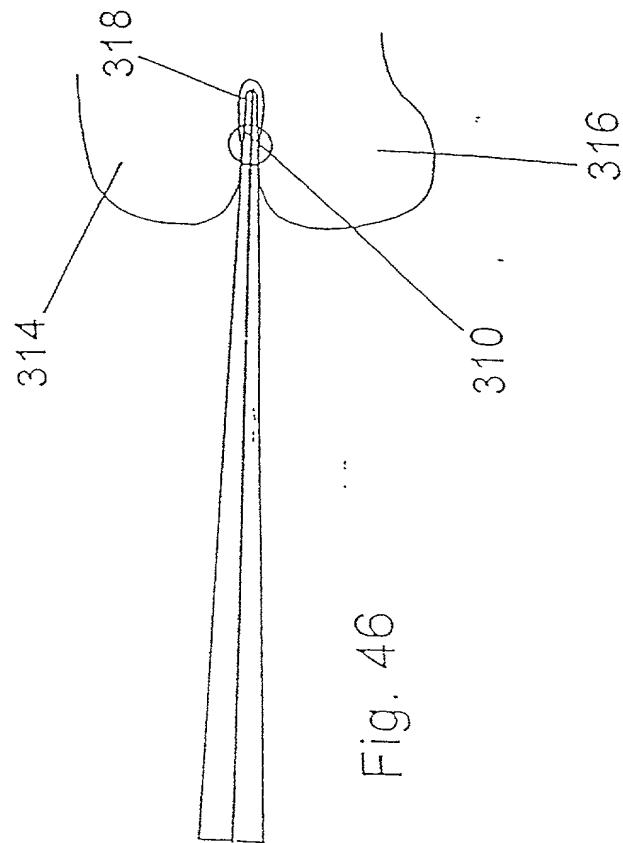


Fig. 46

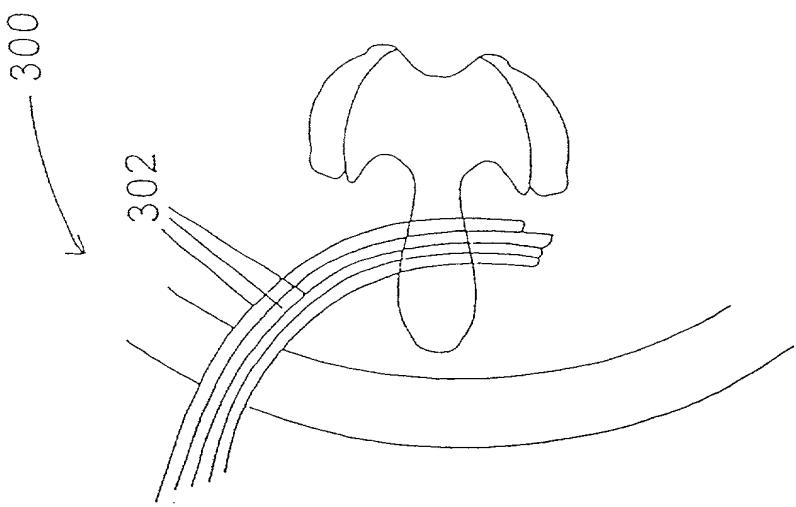


Fig. 45

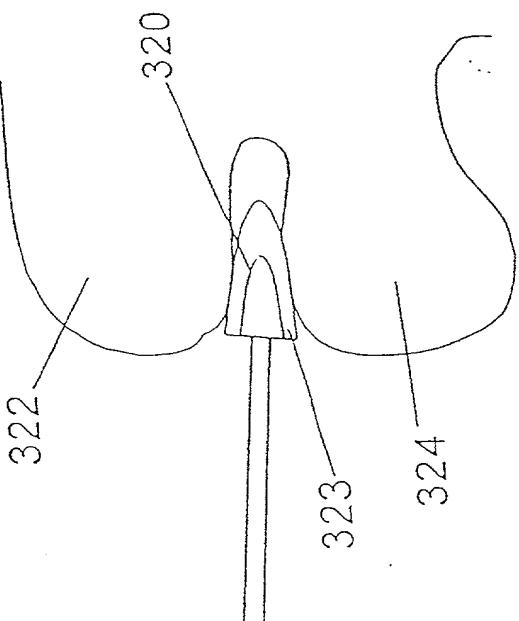


Fig. 48

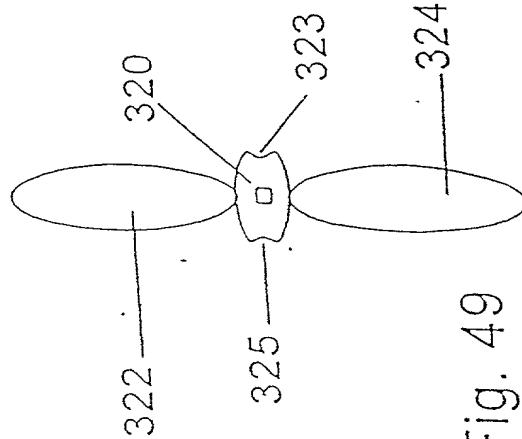


Fig. 49

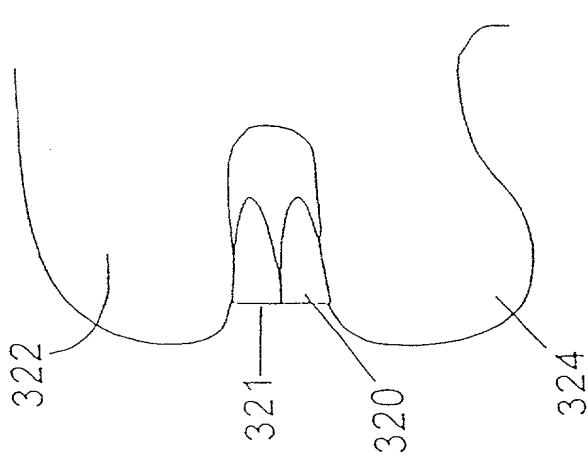


Fig. 51

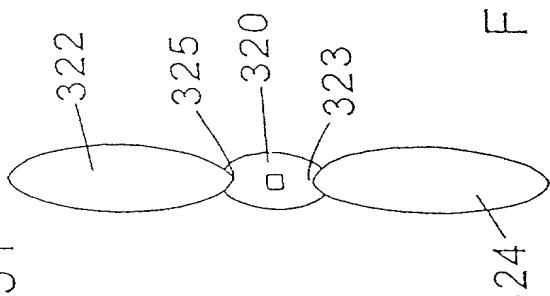


Fig. 50

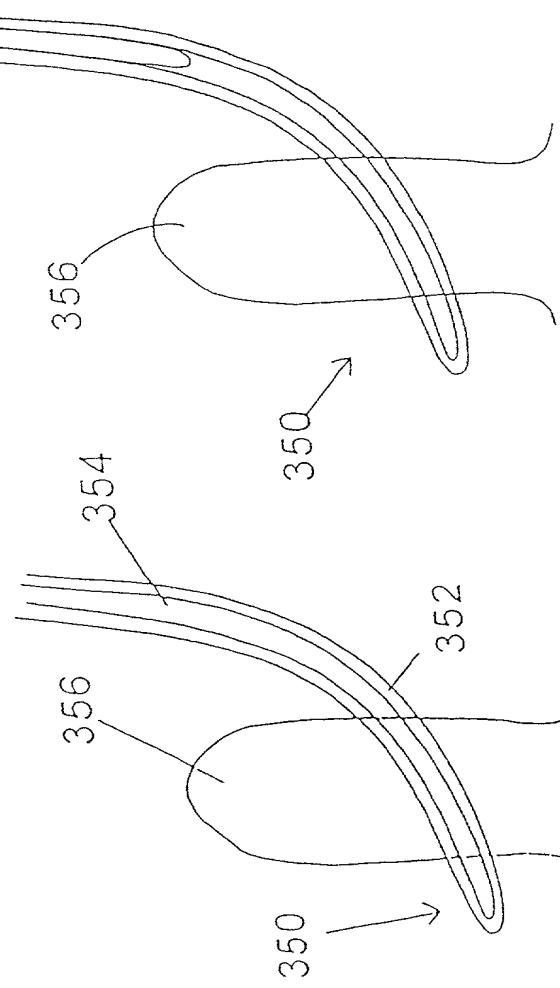
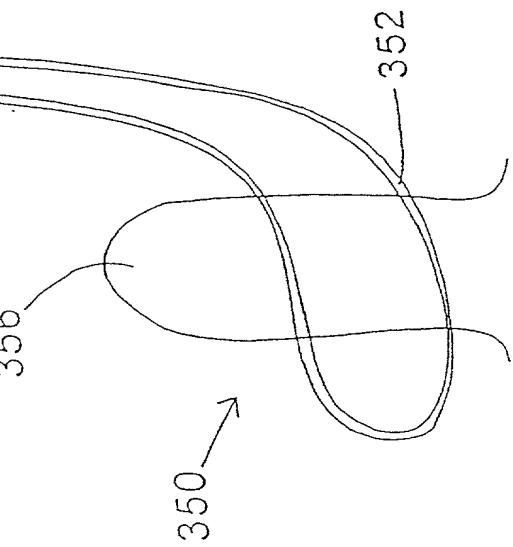


Fig. 54

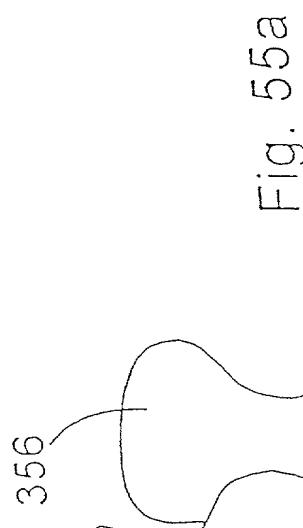
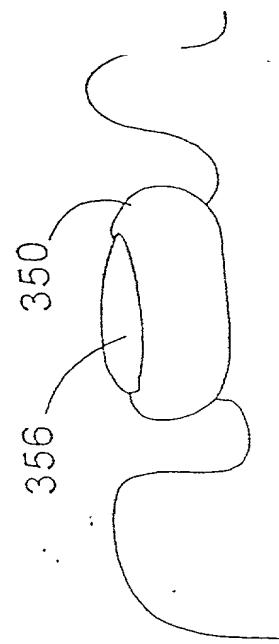


Fig. 55a

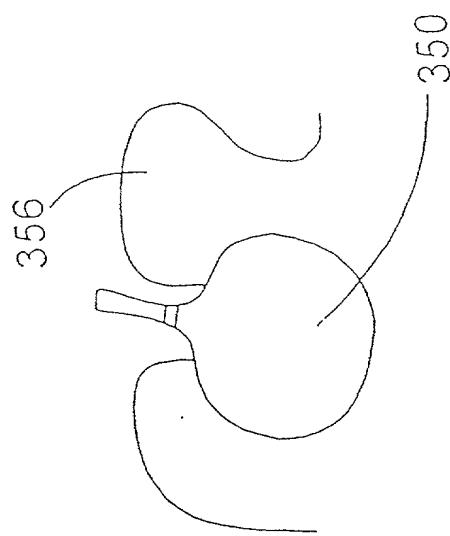


Fig. 55b

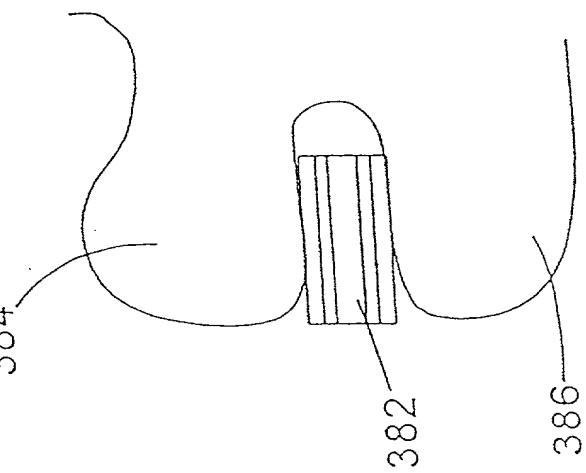


Fig. 60

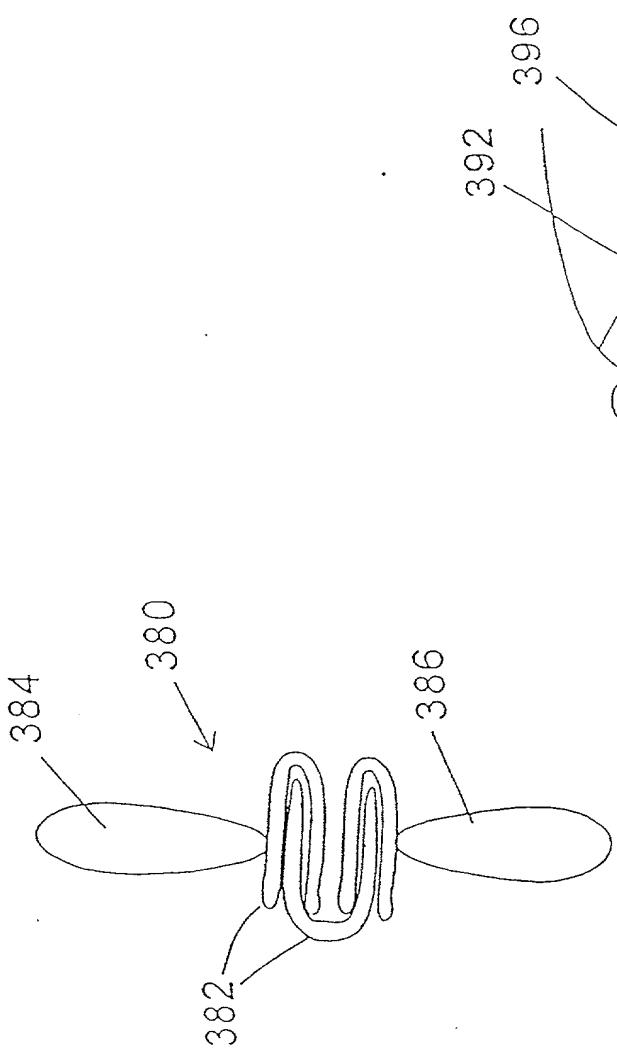


Fig. 59

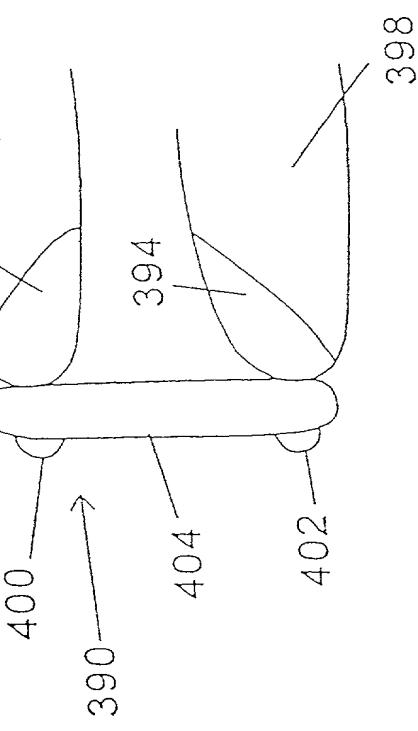


Fig. 61

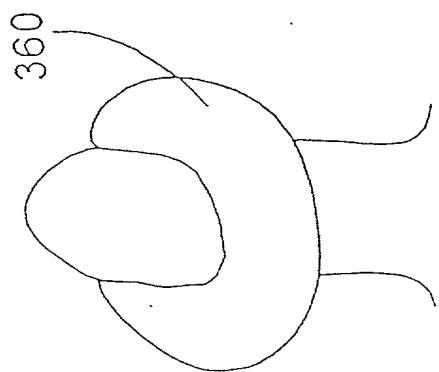


Fig. 58

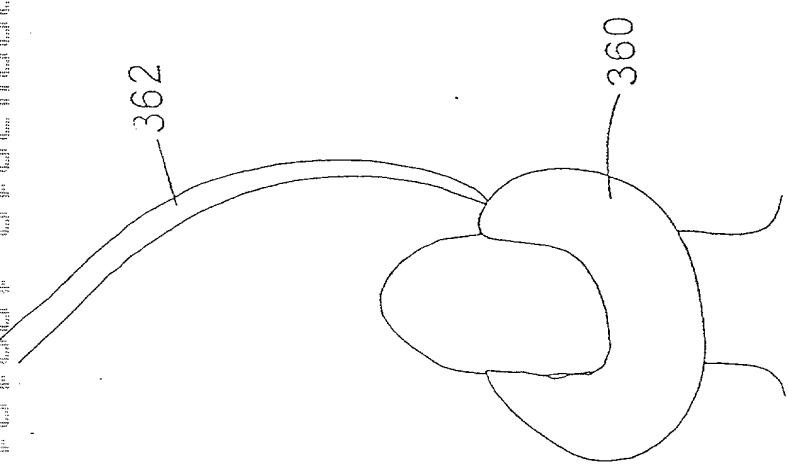


Fig. 57

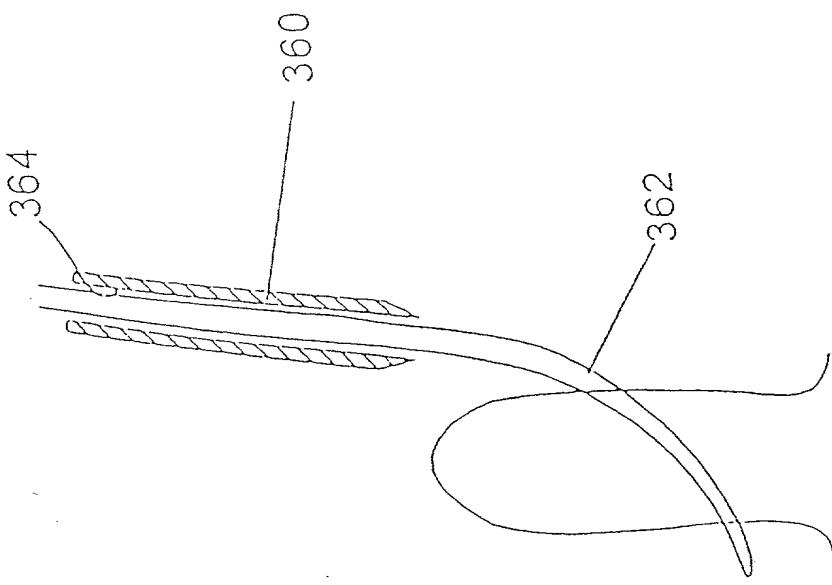


Fig. 56

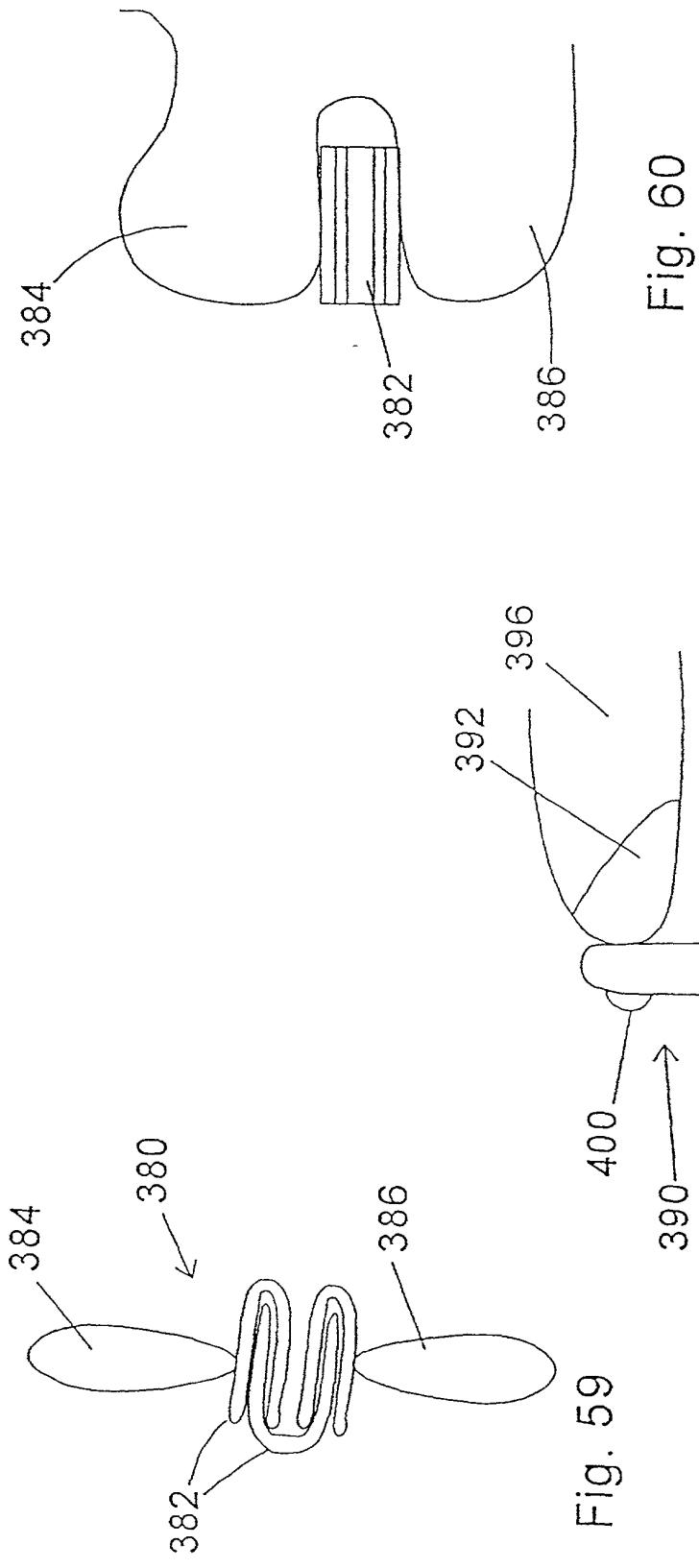


Fig. 61

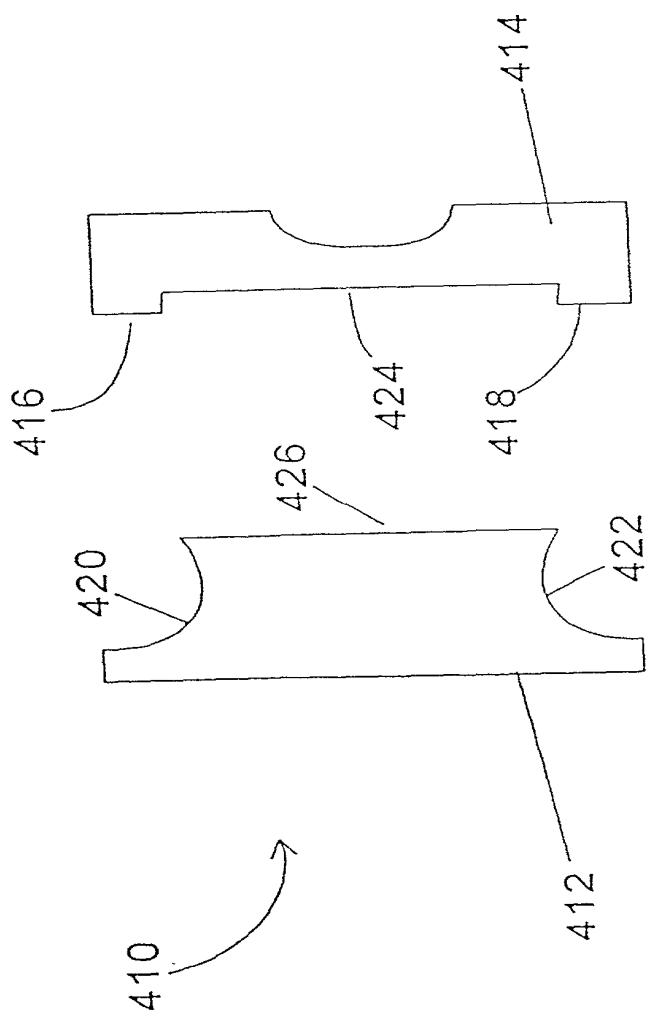


Fig. 62

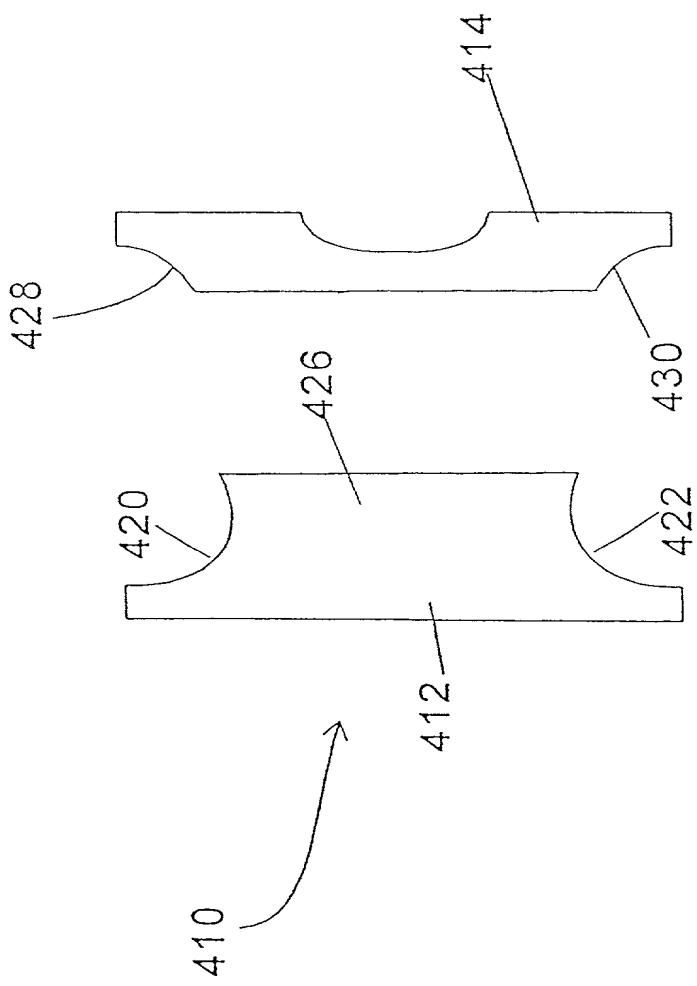
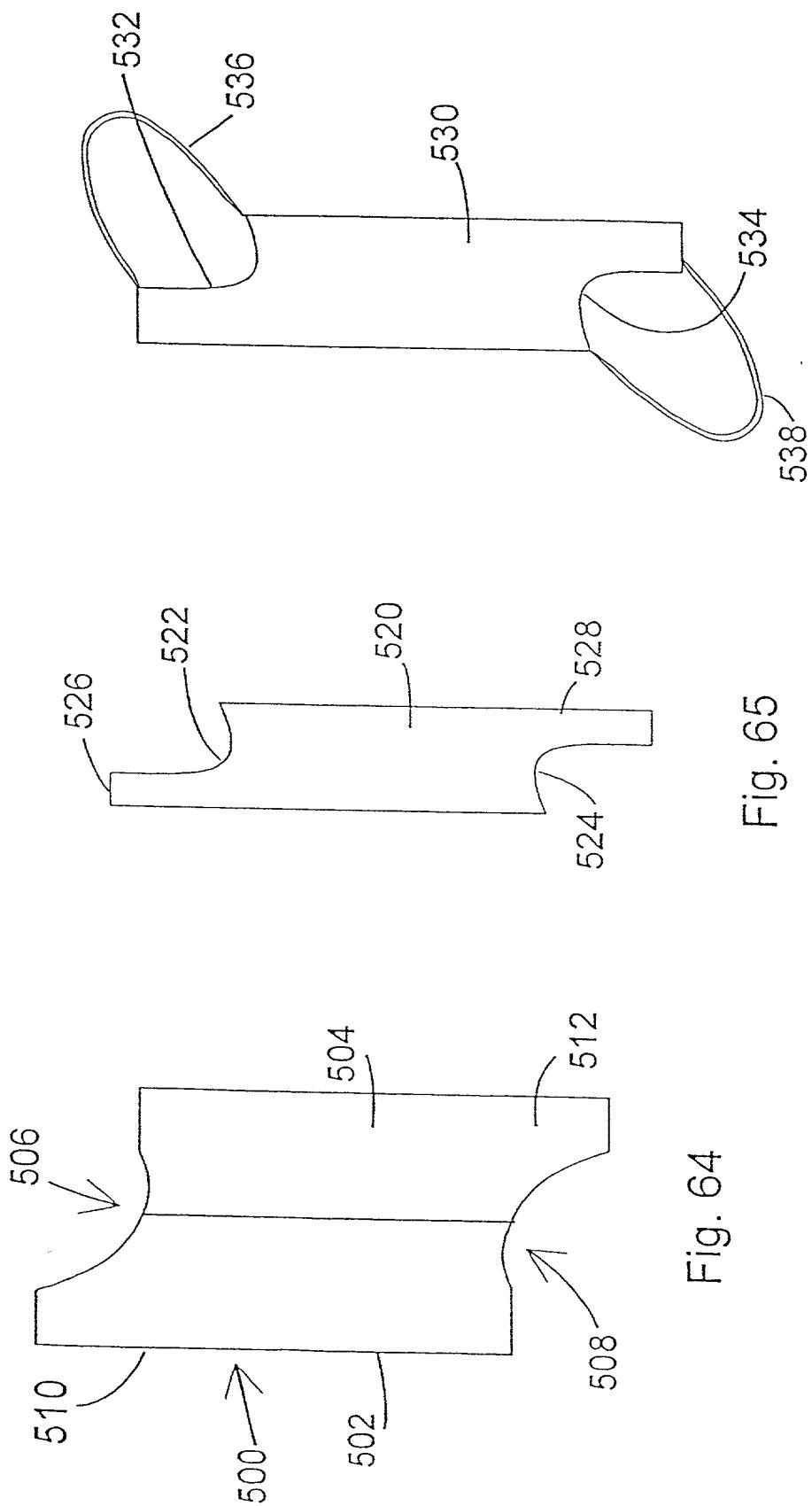


Fig. 63



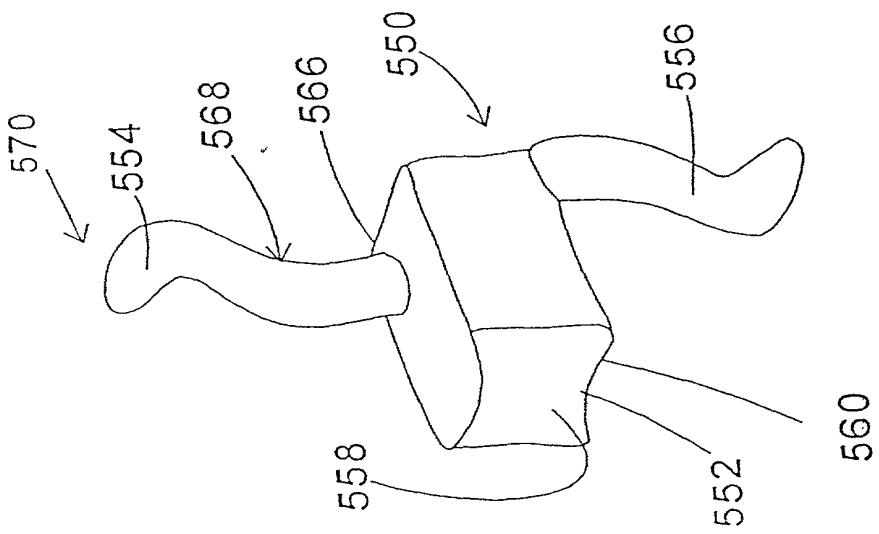


Fig. 68

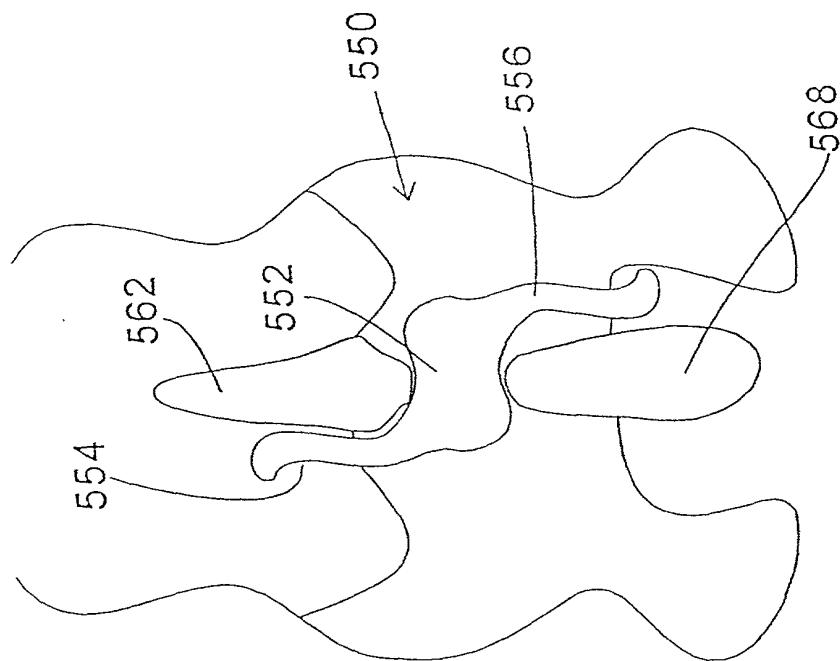


Fig. 67

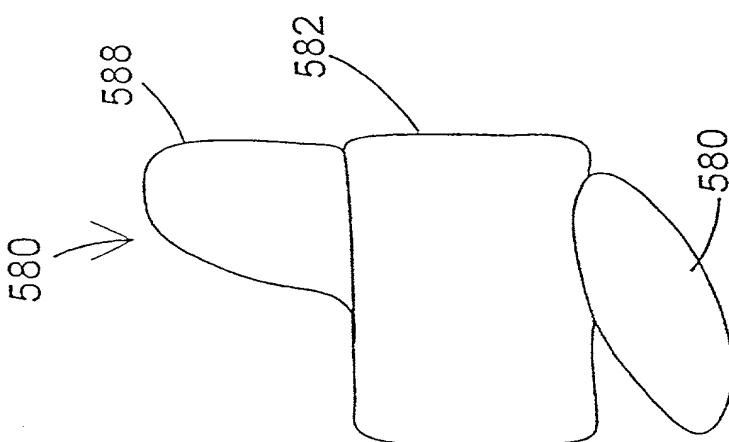


Fig. 71

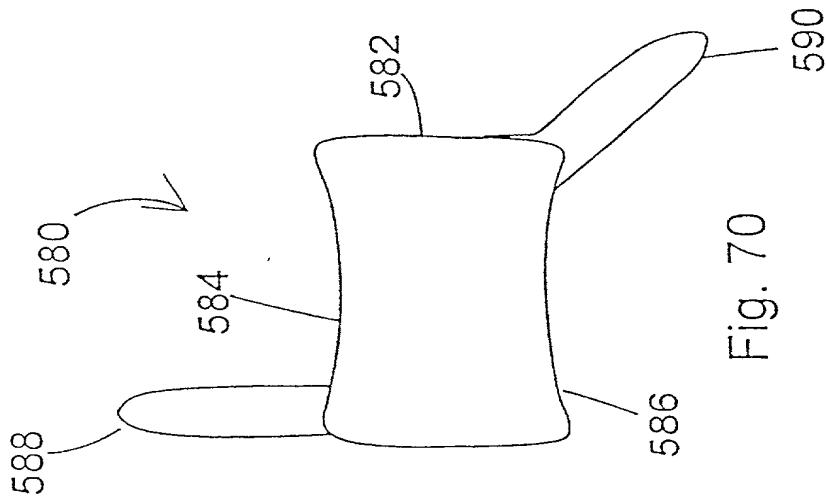


Fig. 70

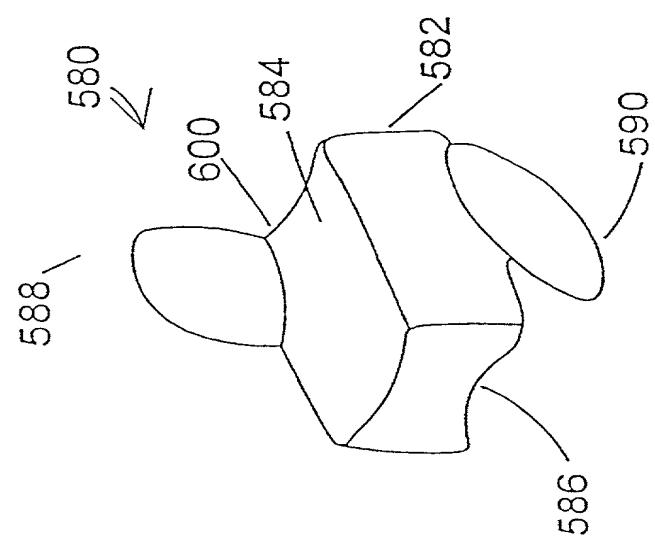


Fig. 69

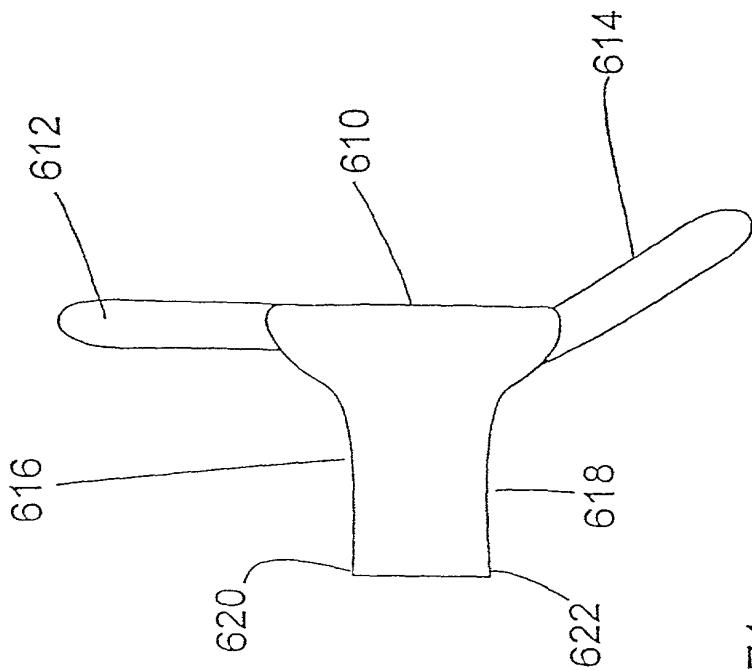


Fig. 71a

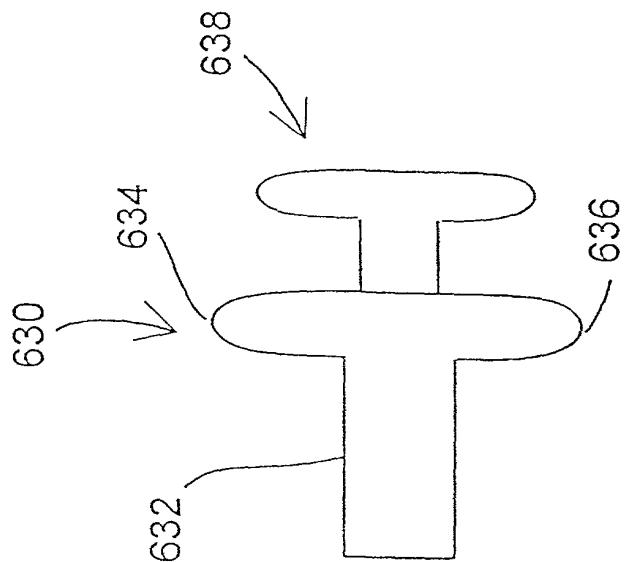


Fig. 72

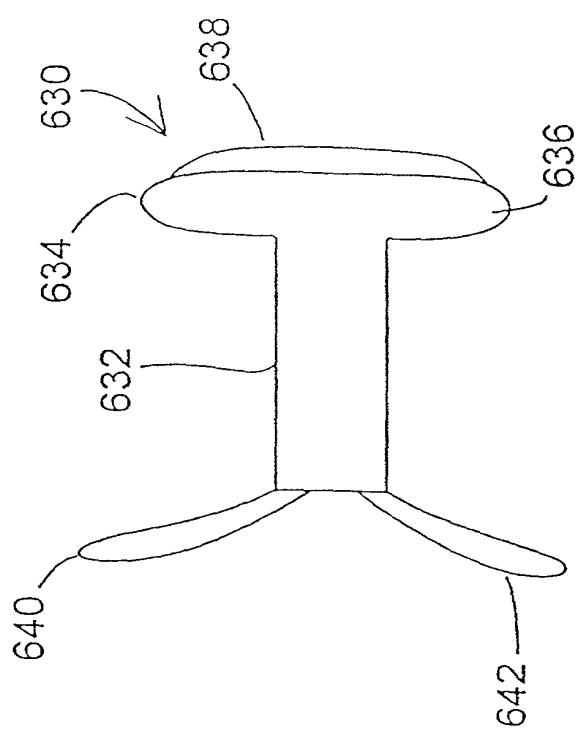


Fig. 73

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 35 of 104

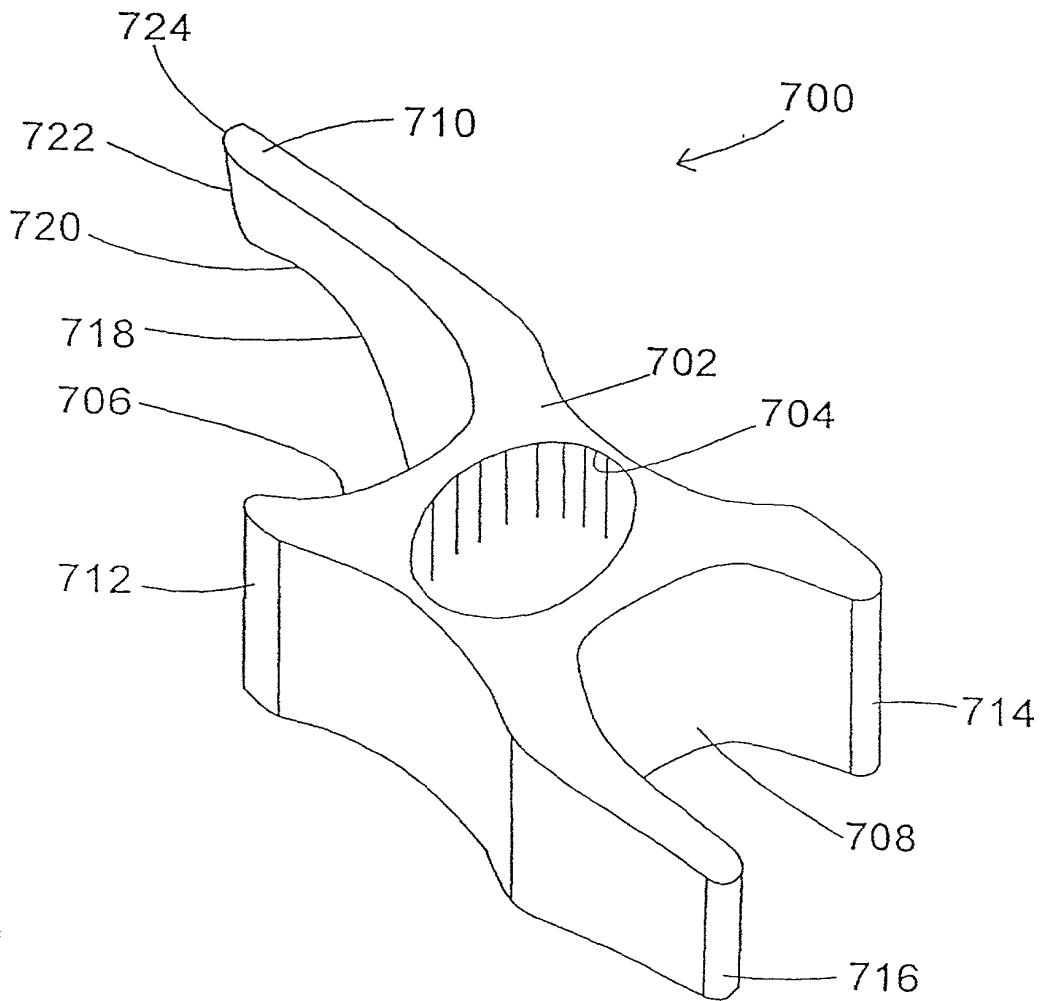


Fig. 74

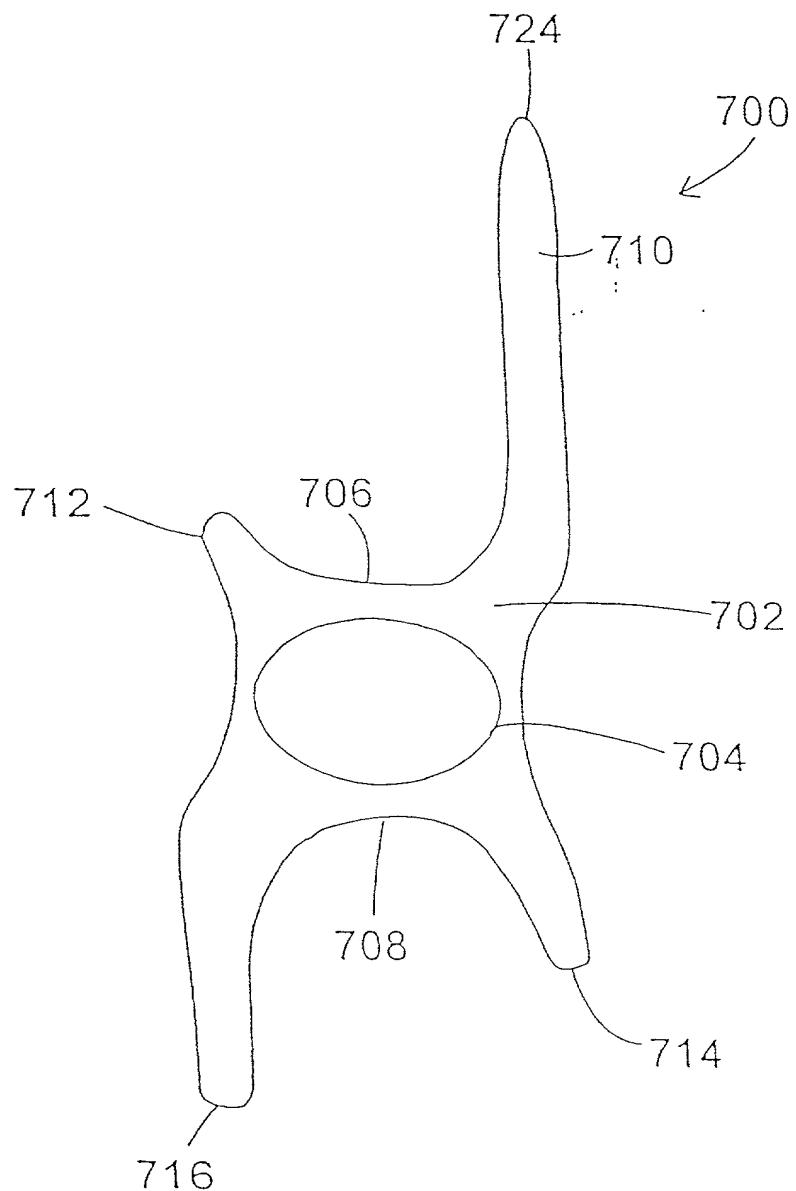


Fig. 75

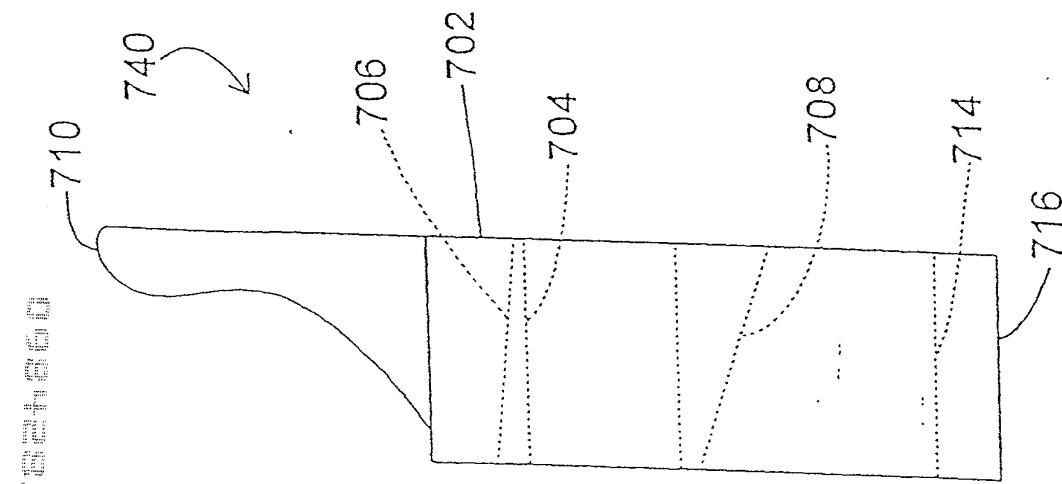


Fig. 77

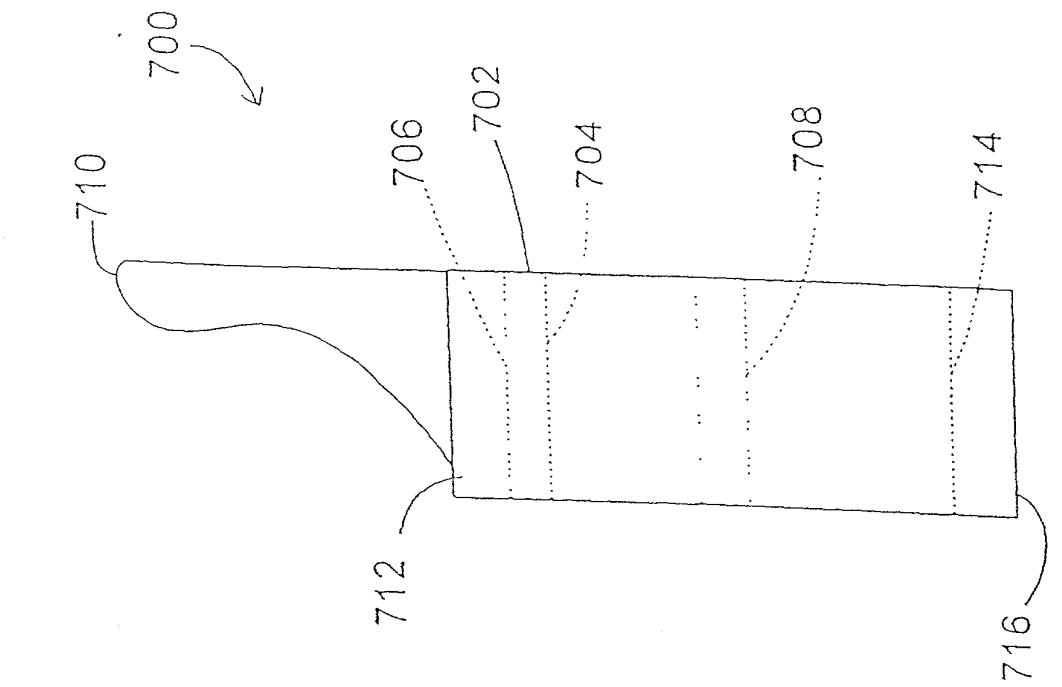


Fig. 76

RE35025P1

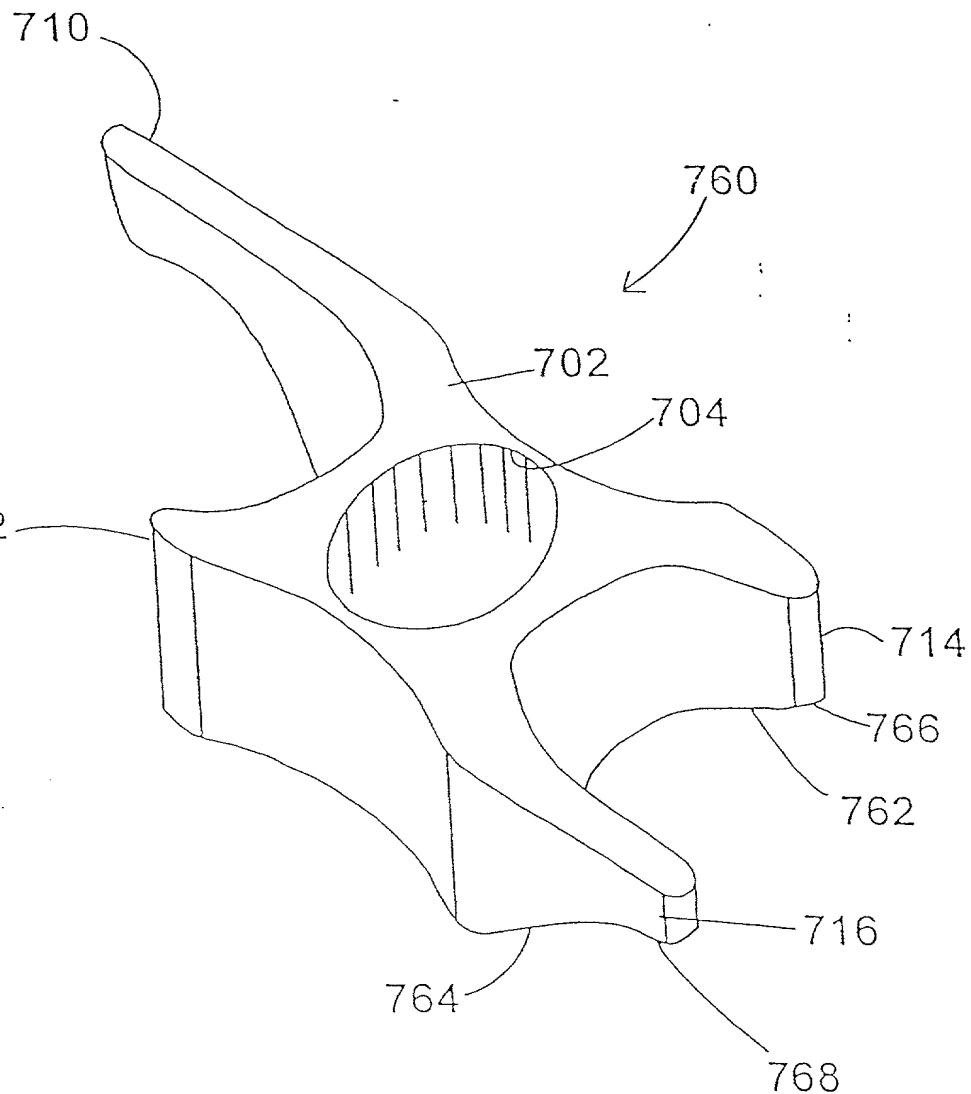


Fig. 78

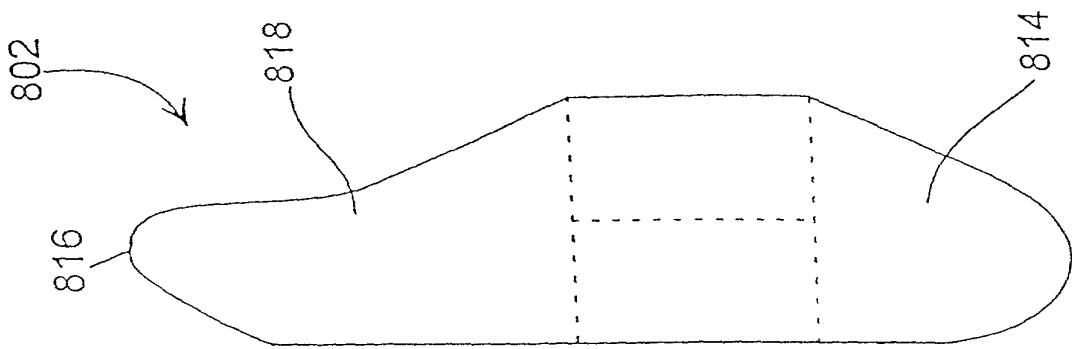


Fig. 81

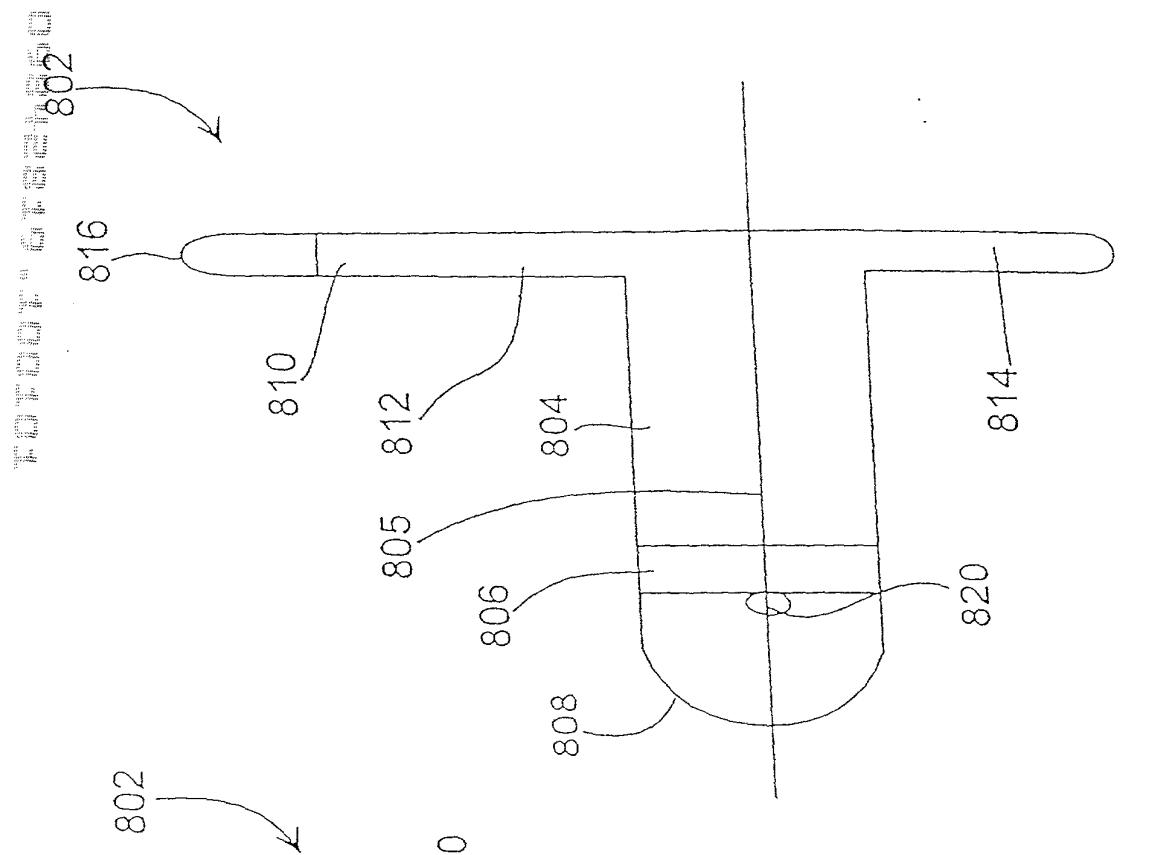


Fig. 80

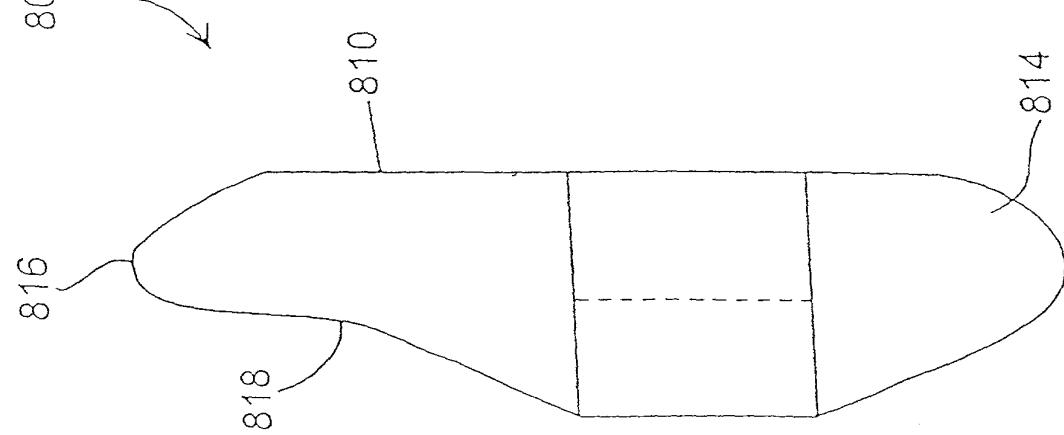


Fig. 79

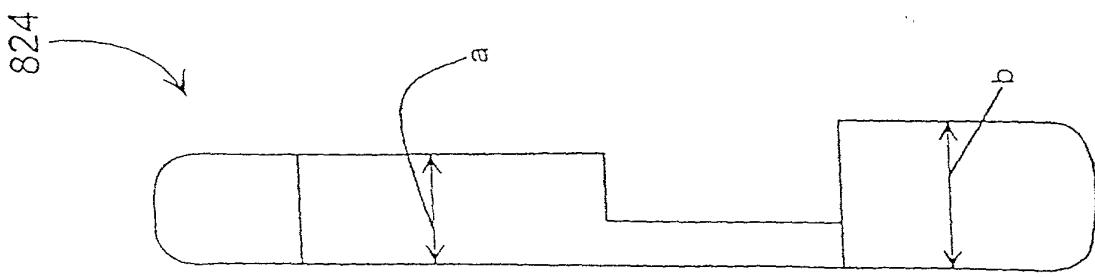


Fig. 83a

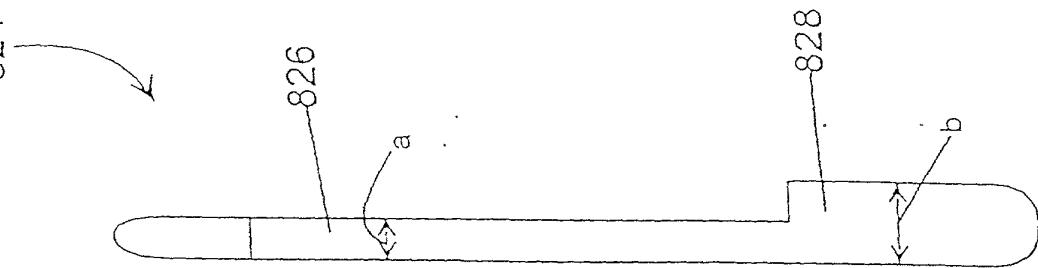


Fig. 83

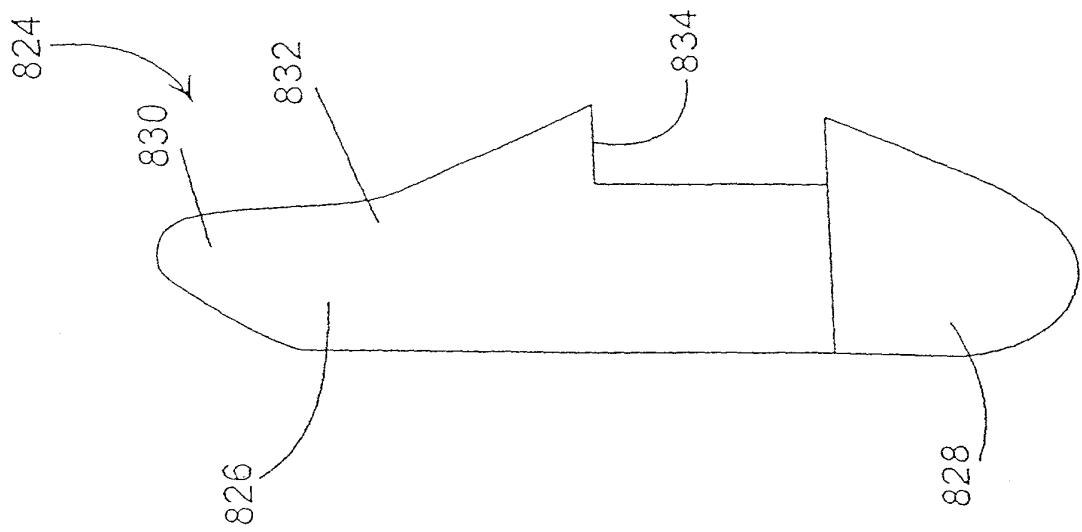


Fig. 82

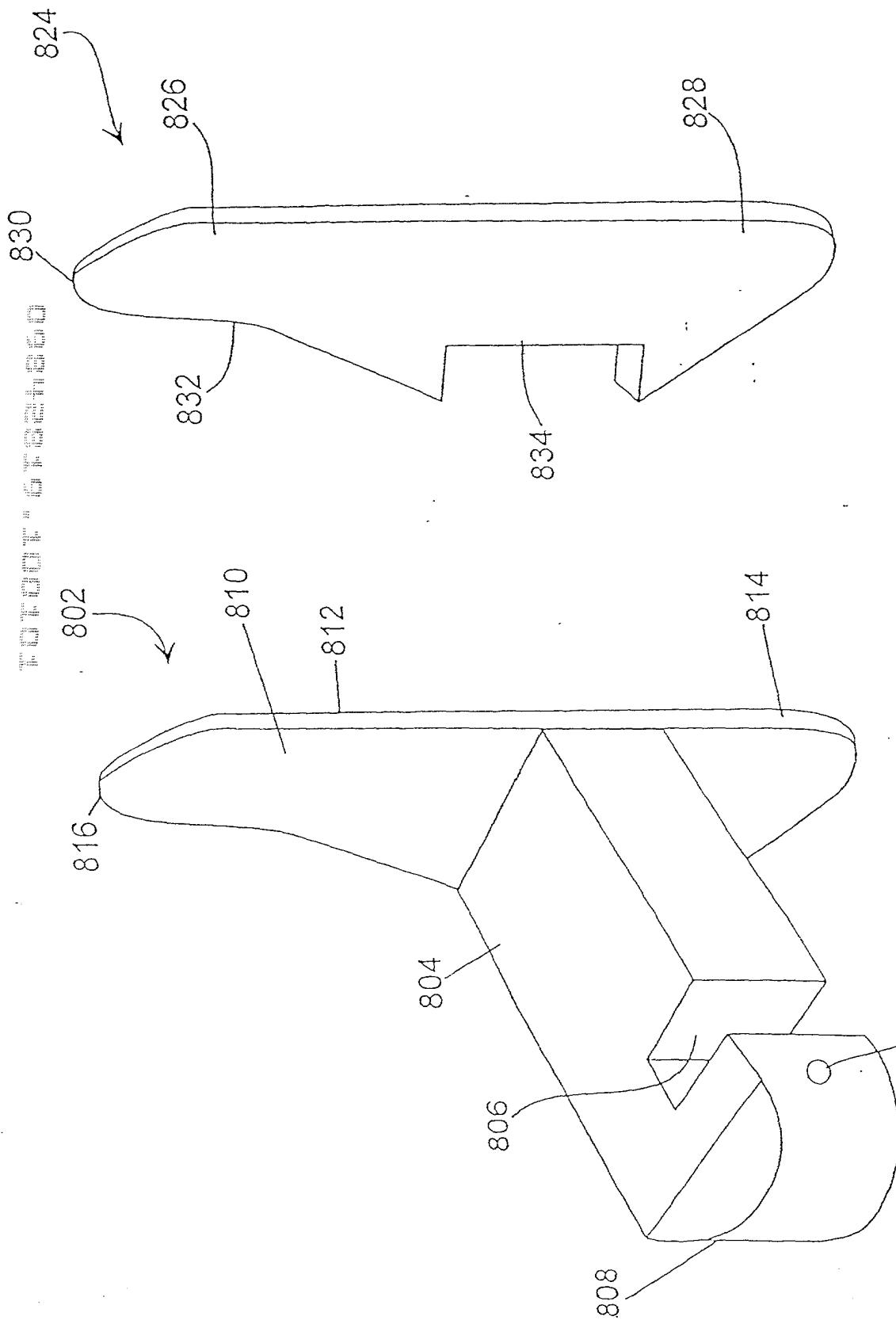


Fig. 85

Fig. 84

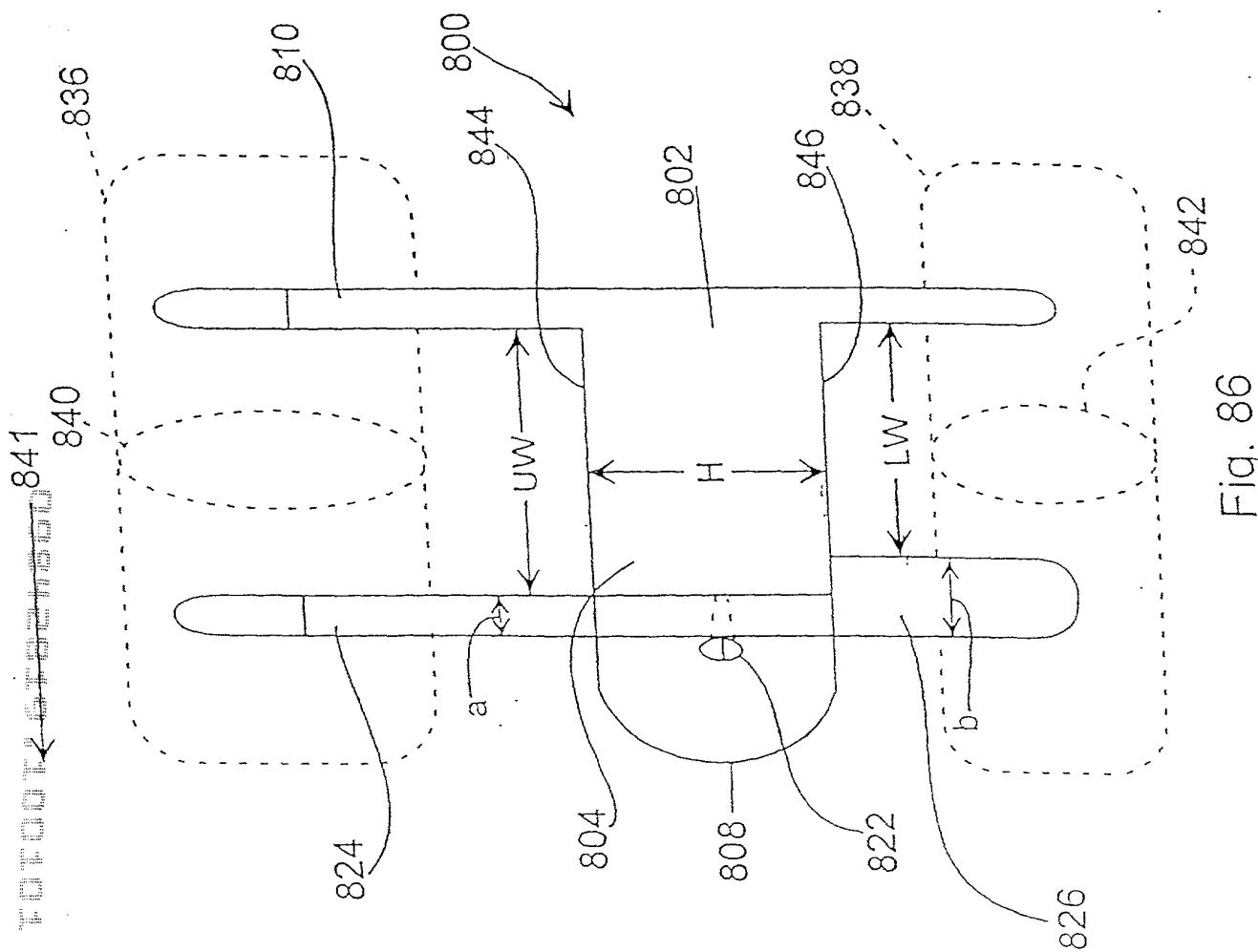


Fig. 86

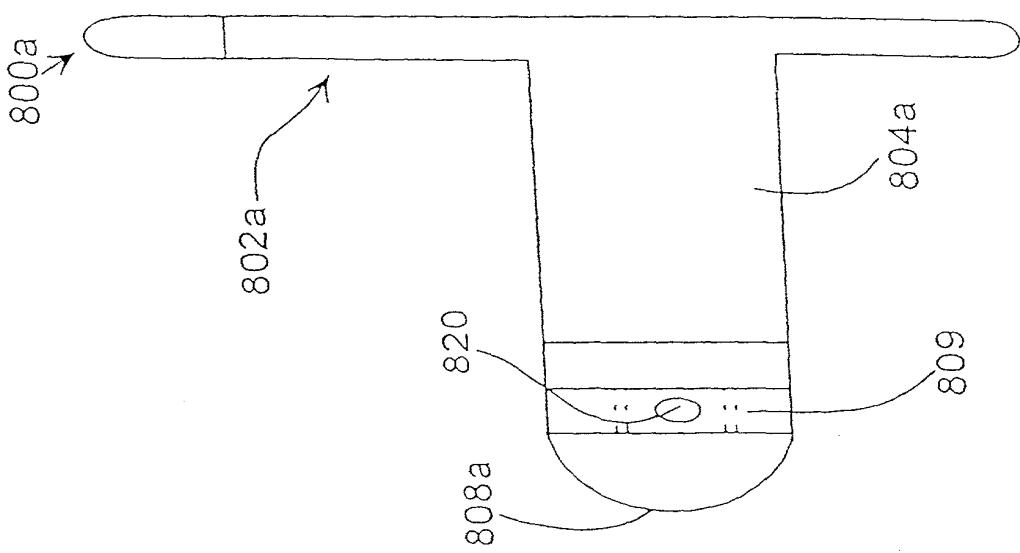


Fig. 80a

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 43 of 104

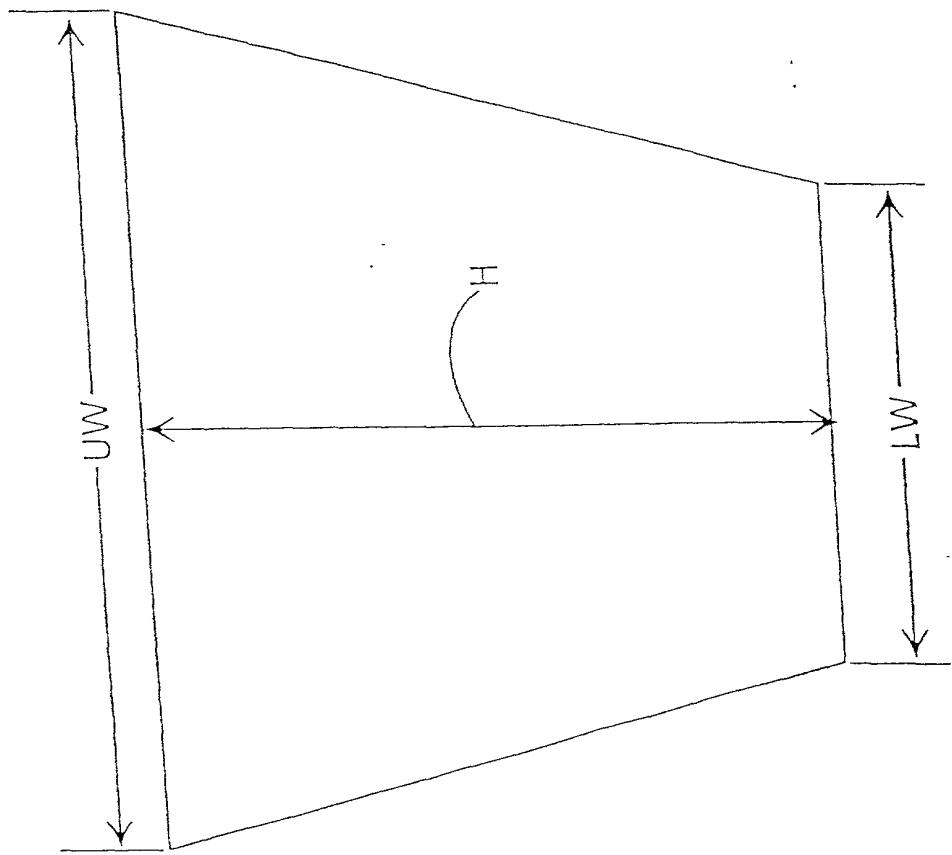
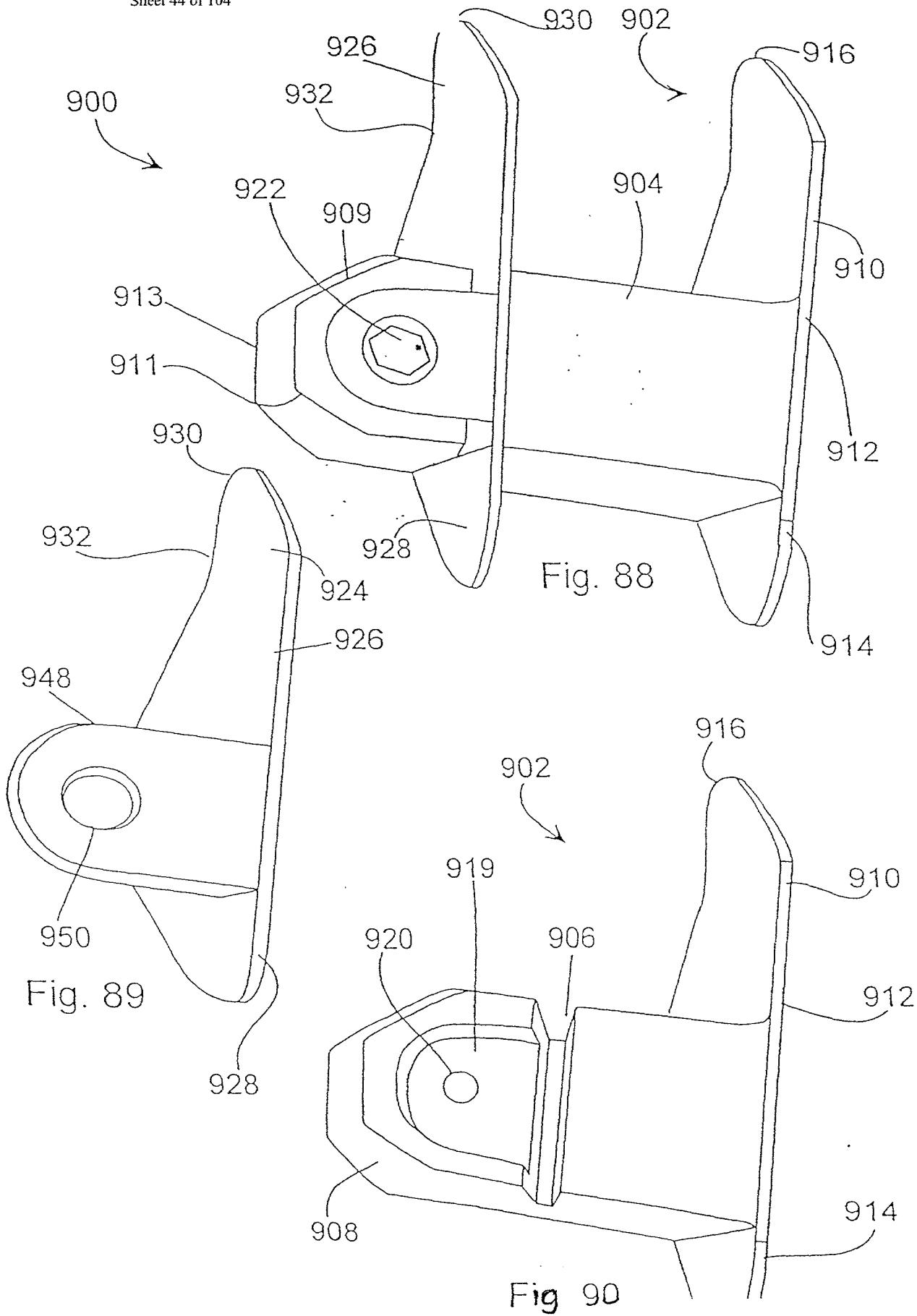


Fig. 87



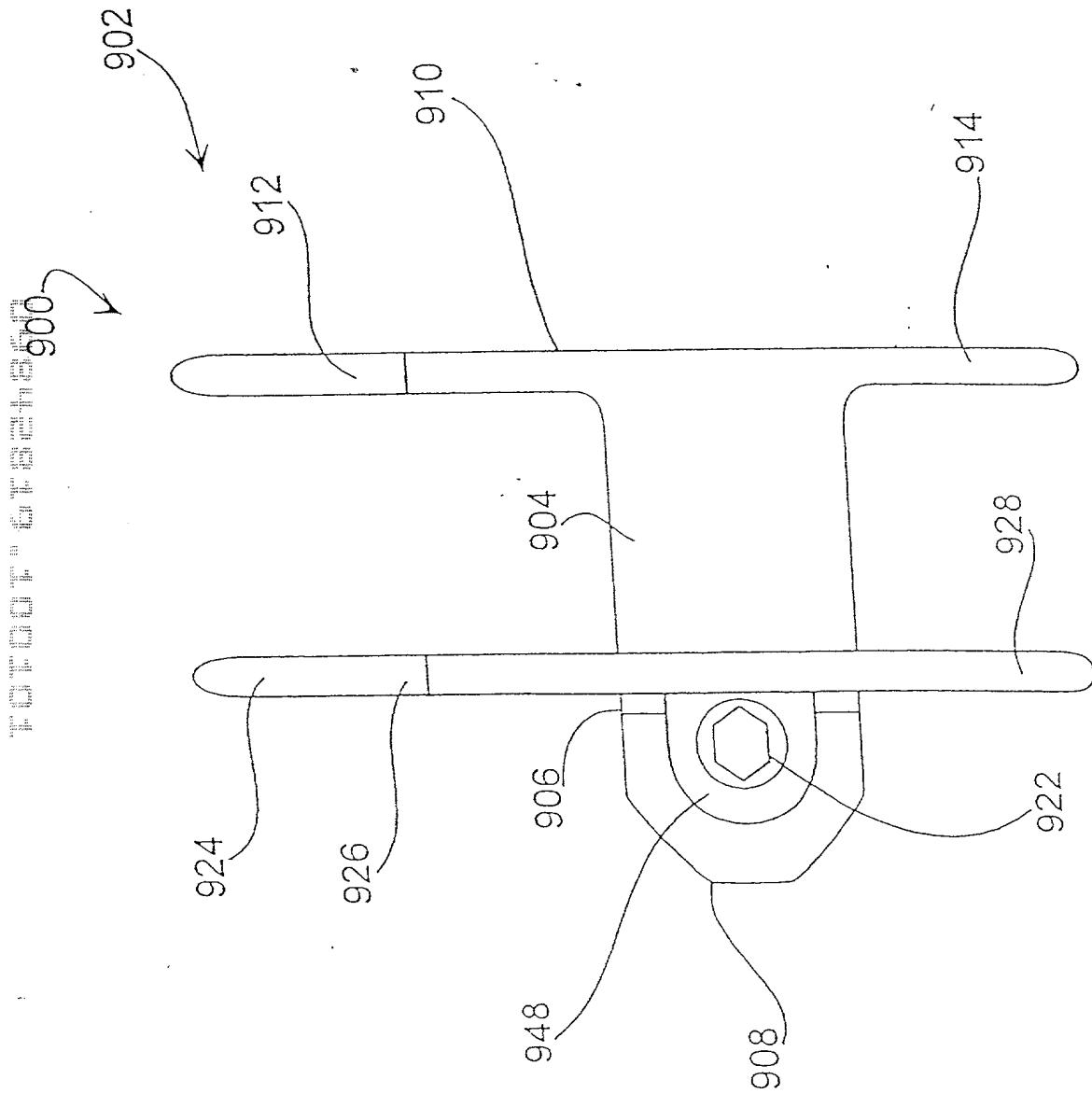


Fig. 91

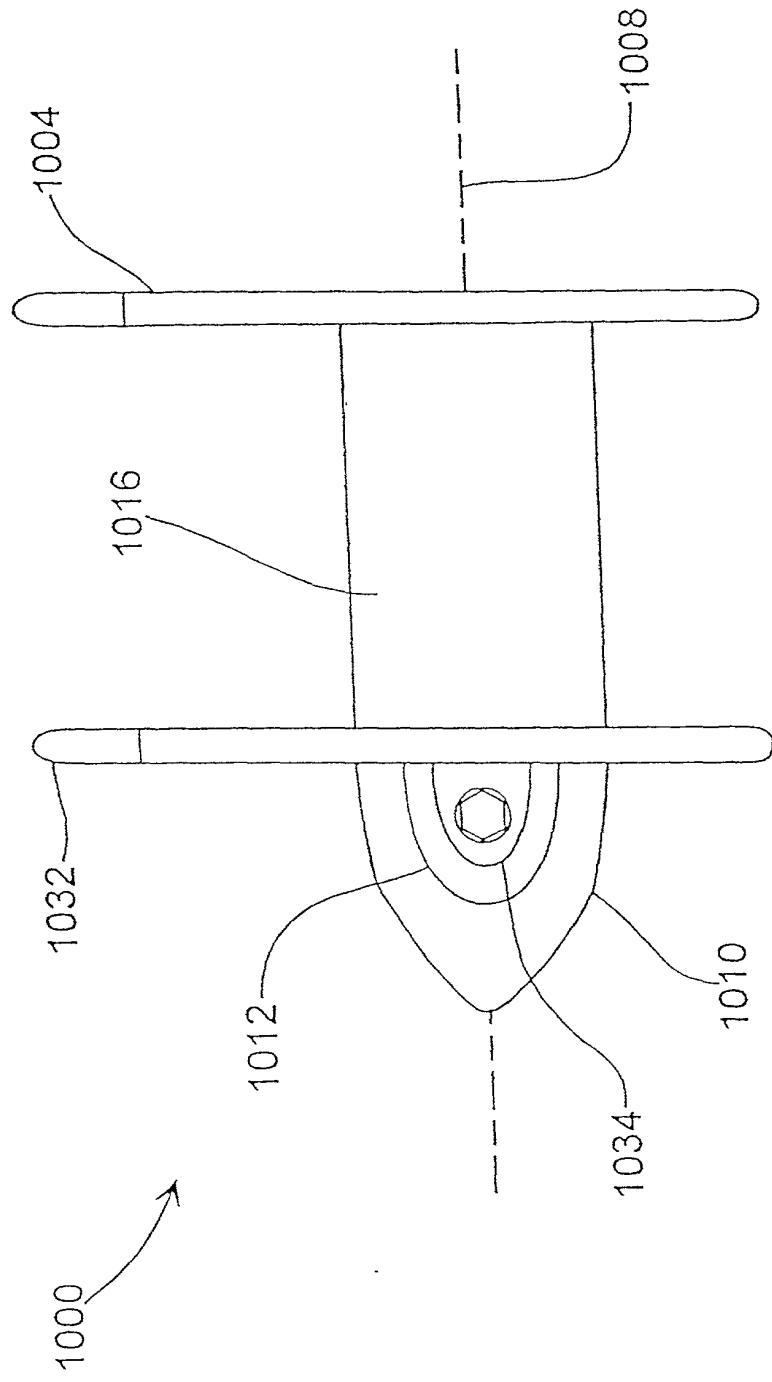


Fig. 92

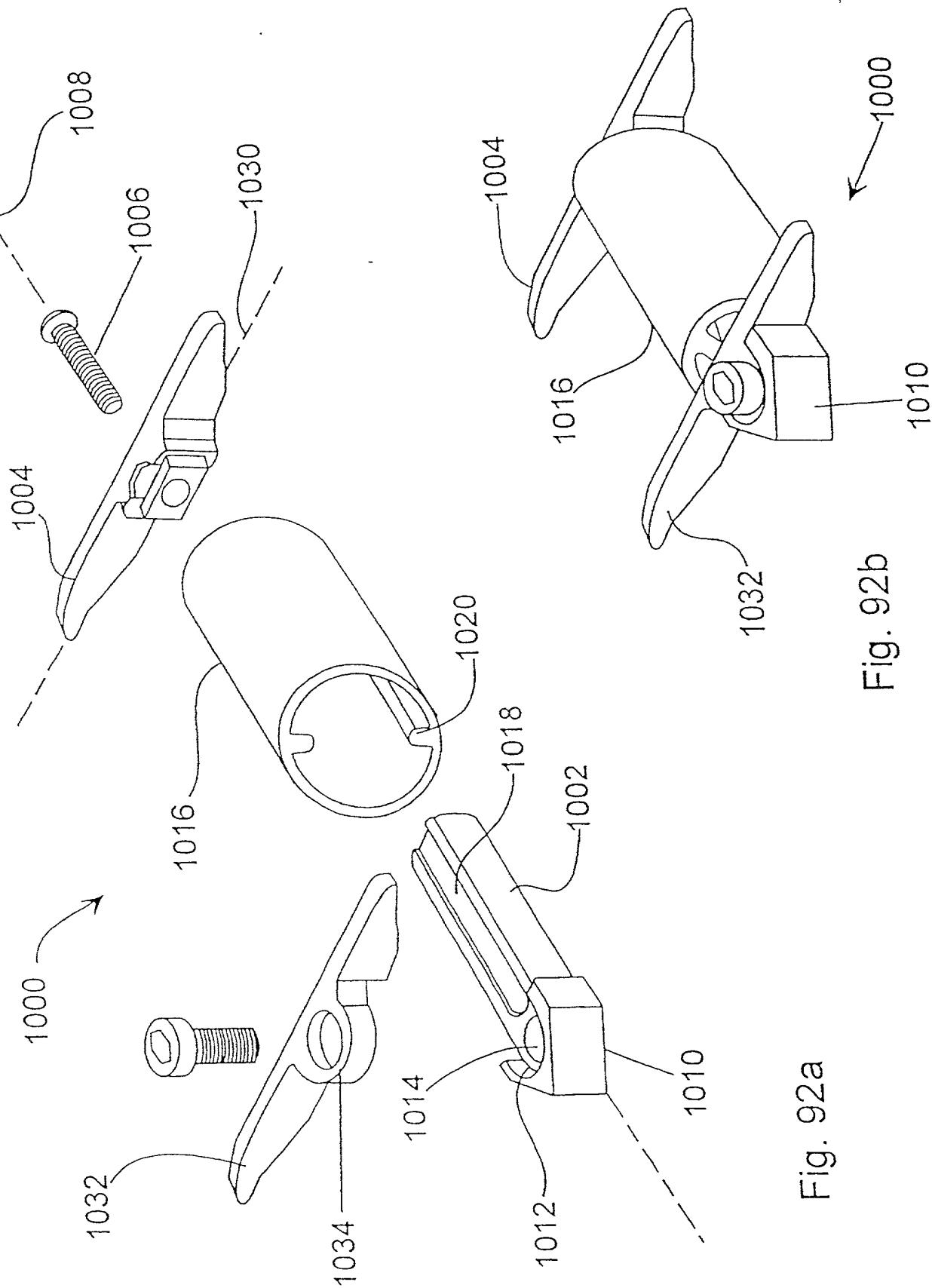


Fig. 92a

Fig. 92b

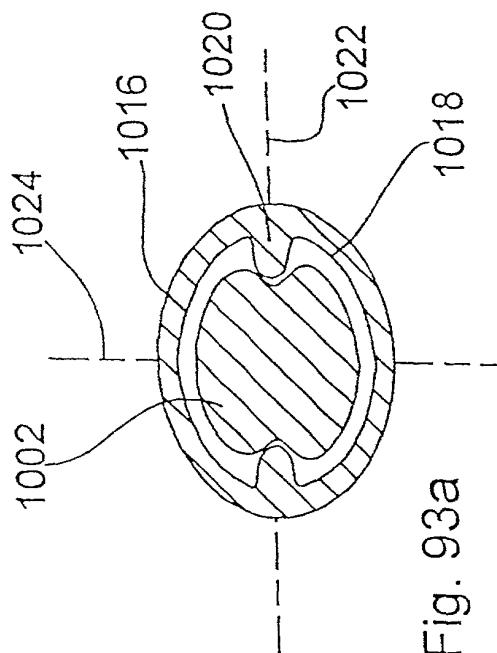


Fig. 93a

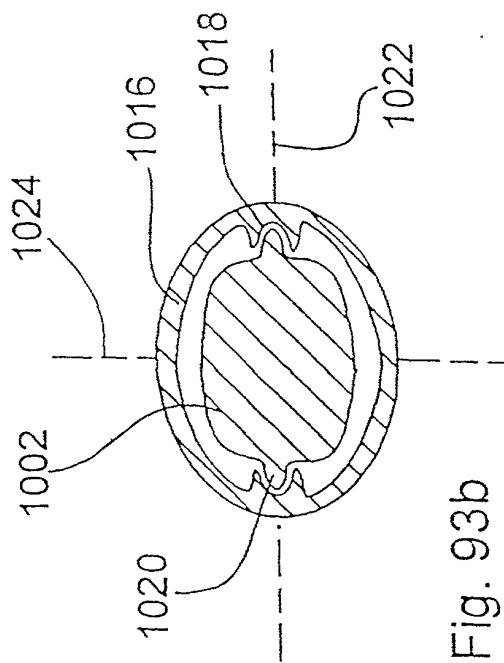


Fig. 93b

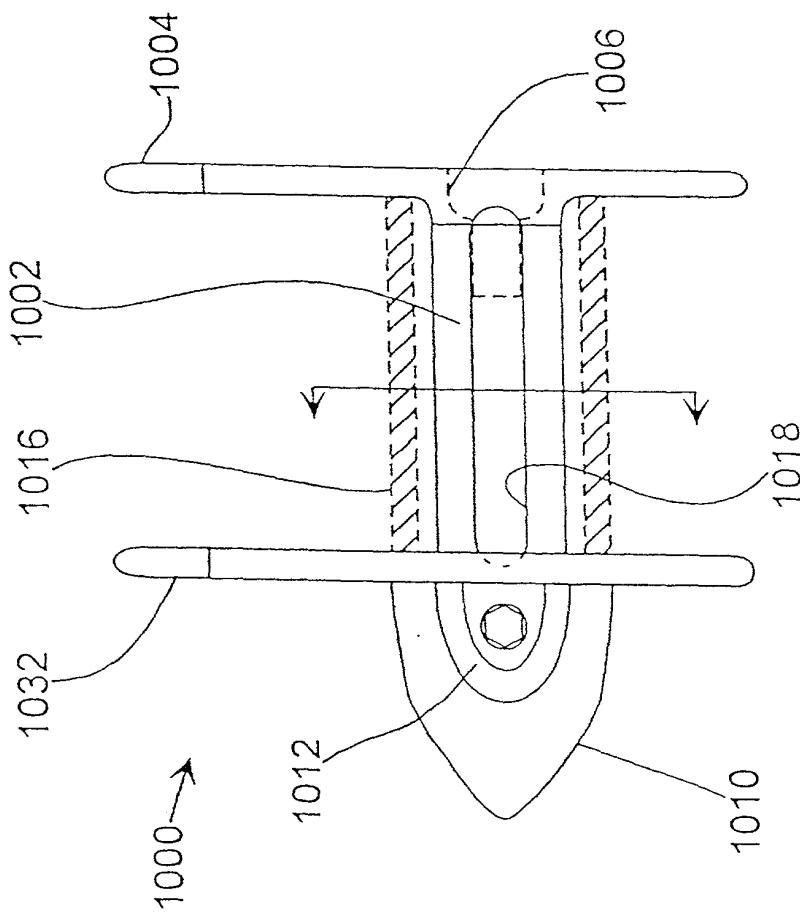


Fig. 93

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 49 of 104

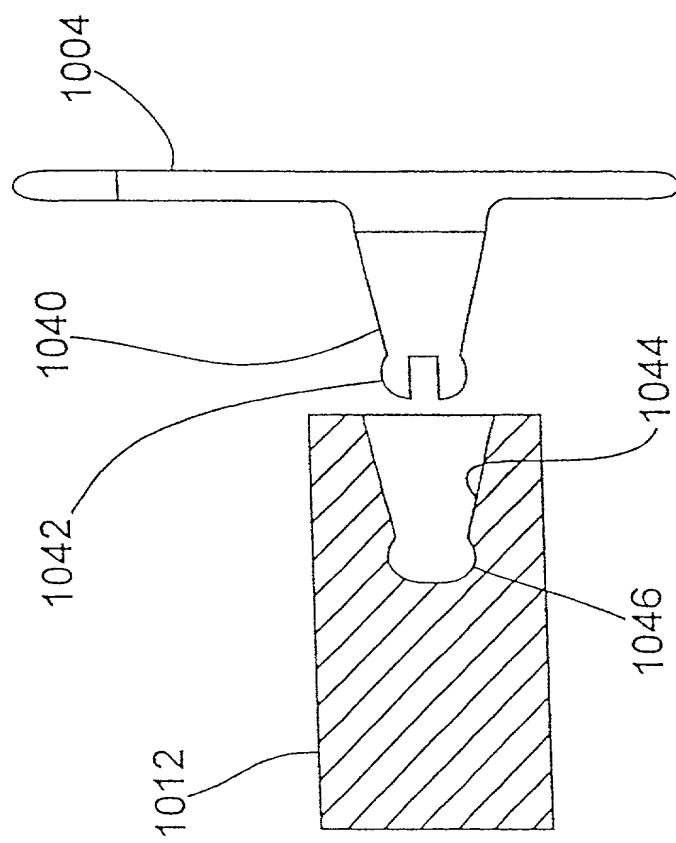


Fig. 93c

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 50 of 104

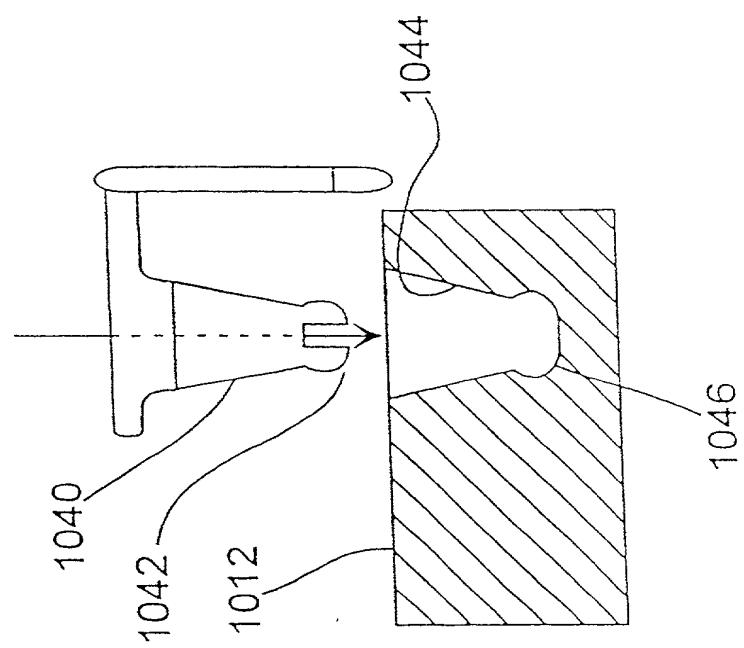


Fig. 93d

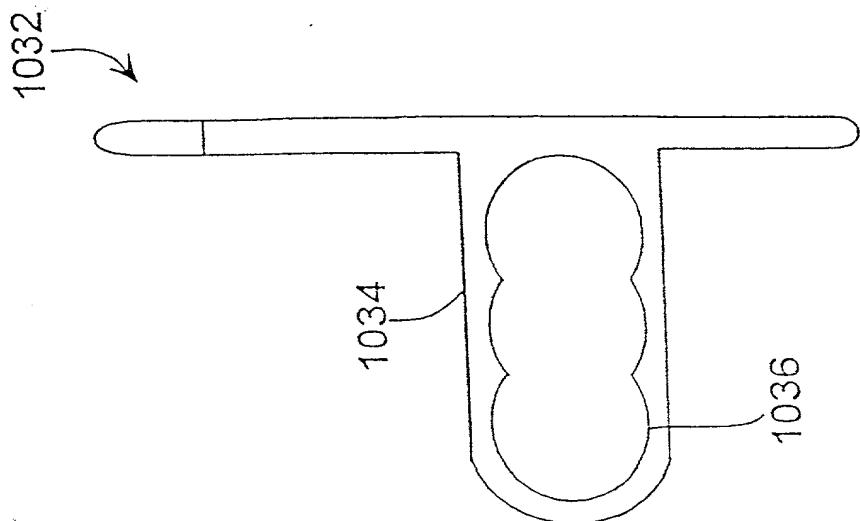


Fig. 94b

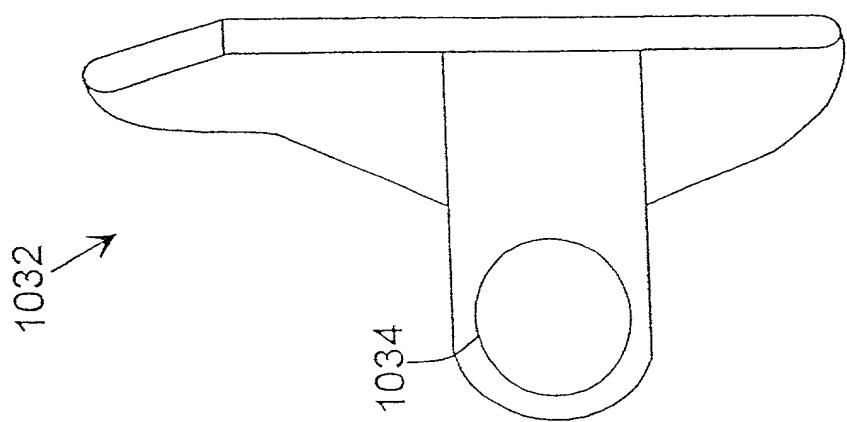


Fig. 94a

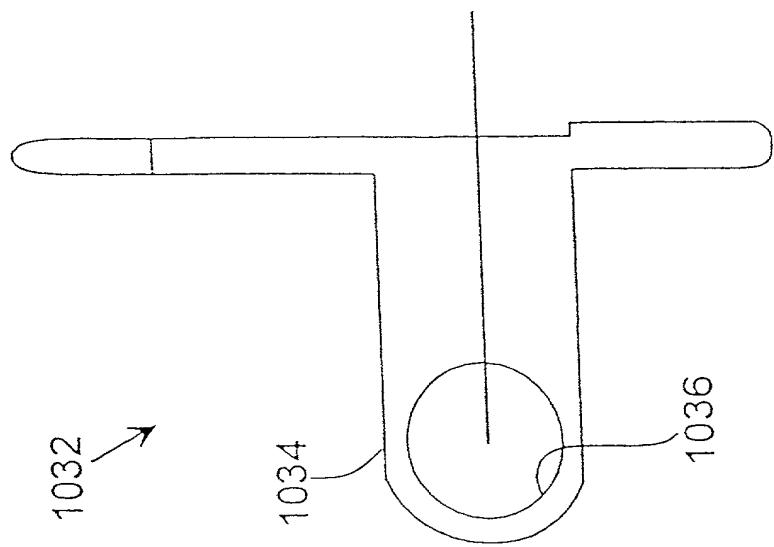


Fig. 94

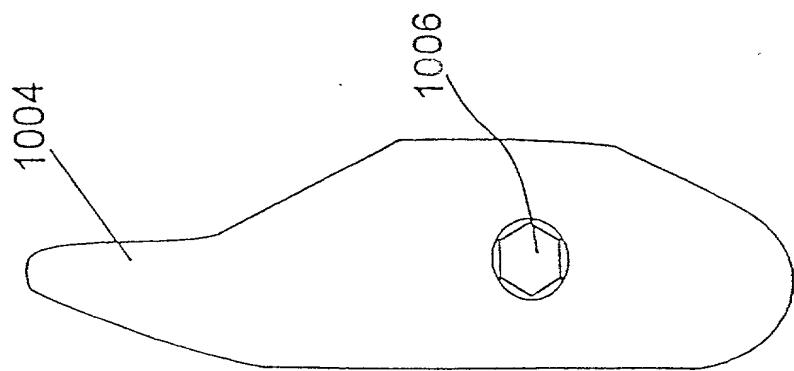


Fig. 96

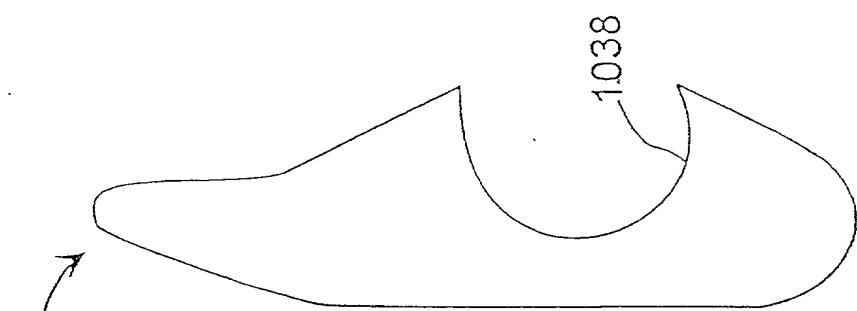


Fig. 95a

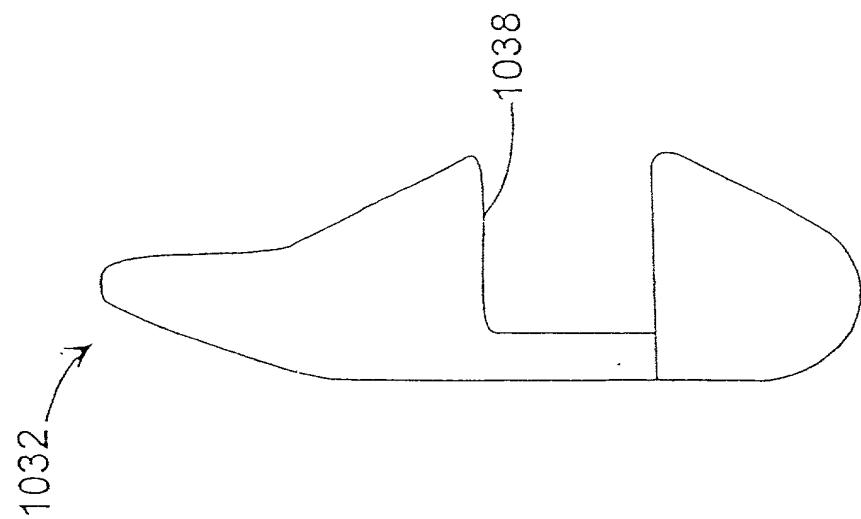
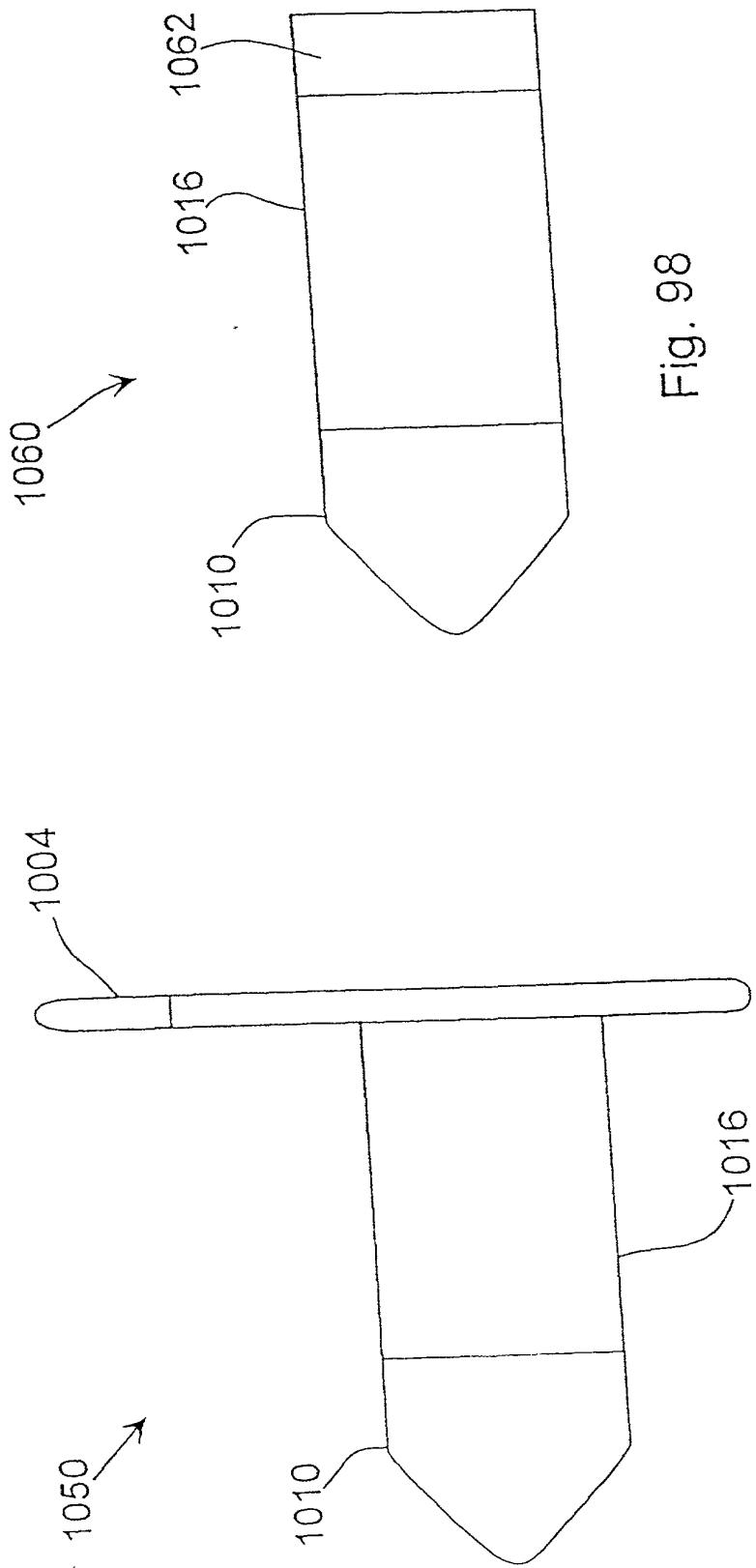


Fig. 95



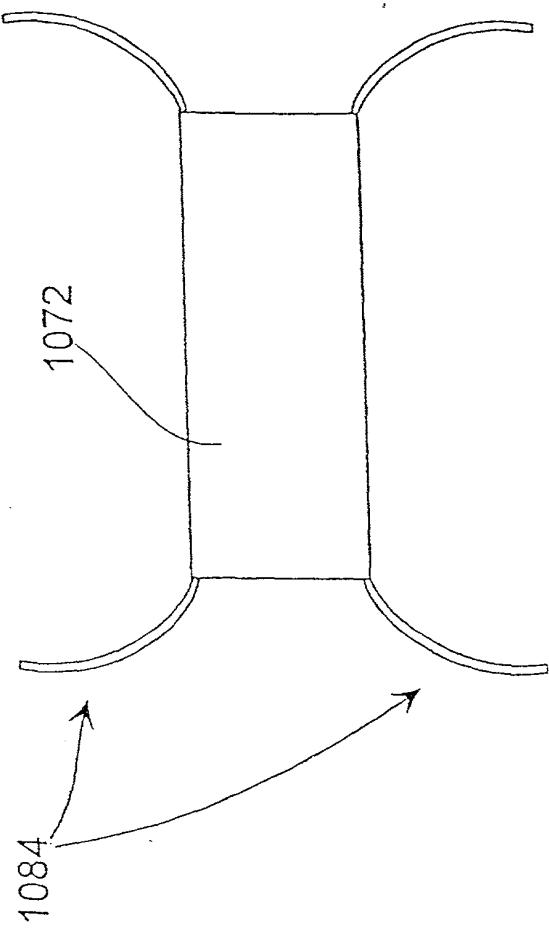


Fig. 99

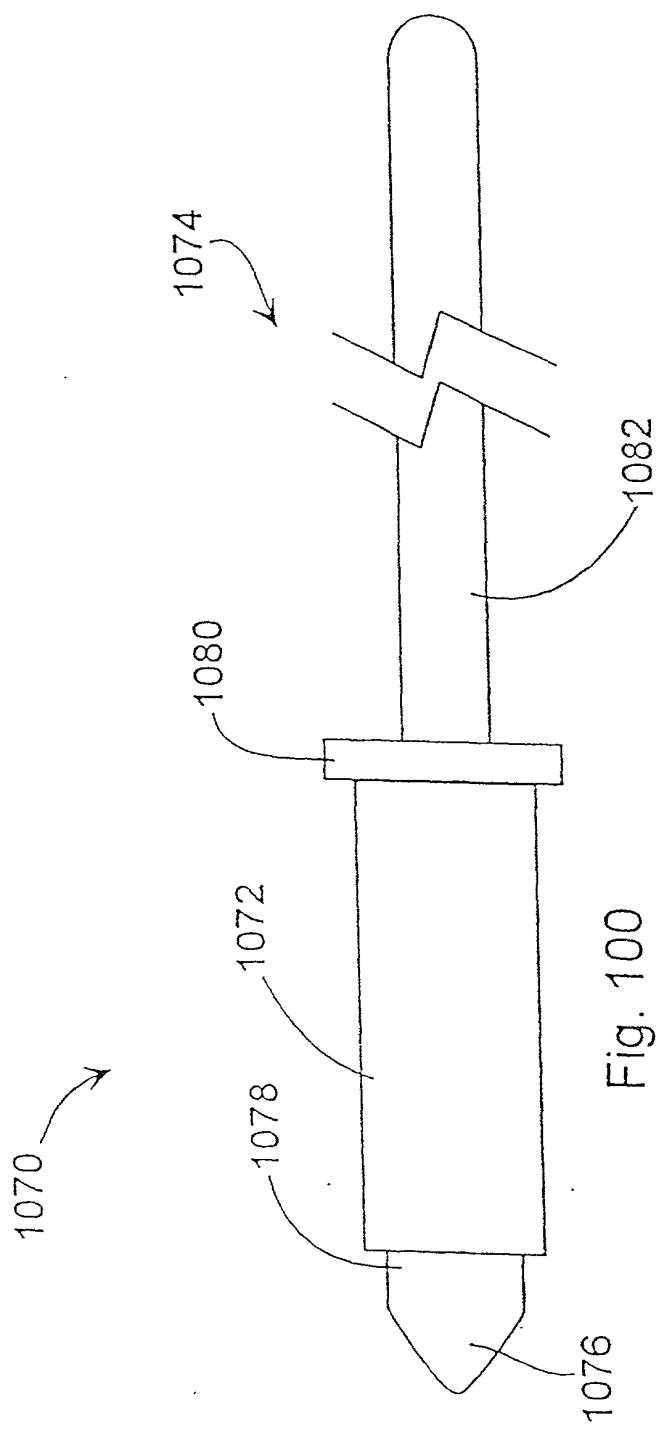


Fig. 100

1076

Title. SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 55 of 104

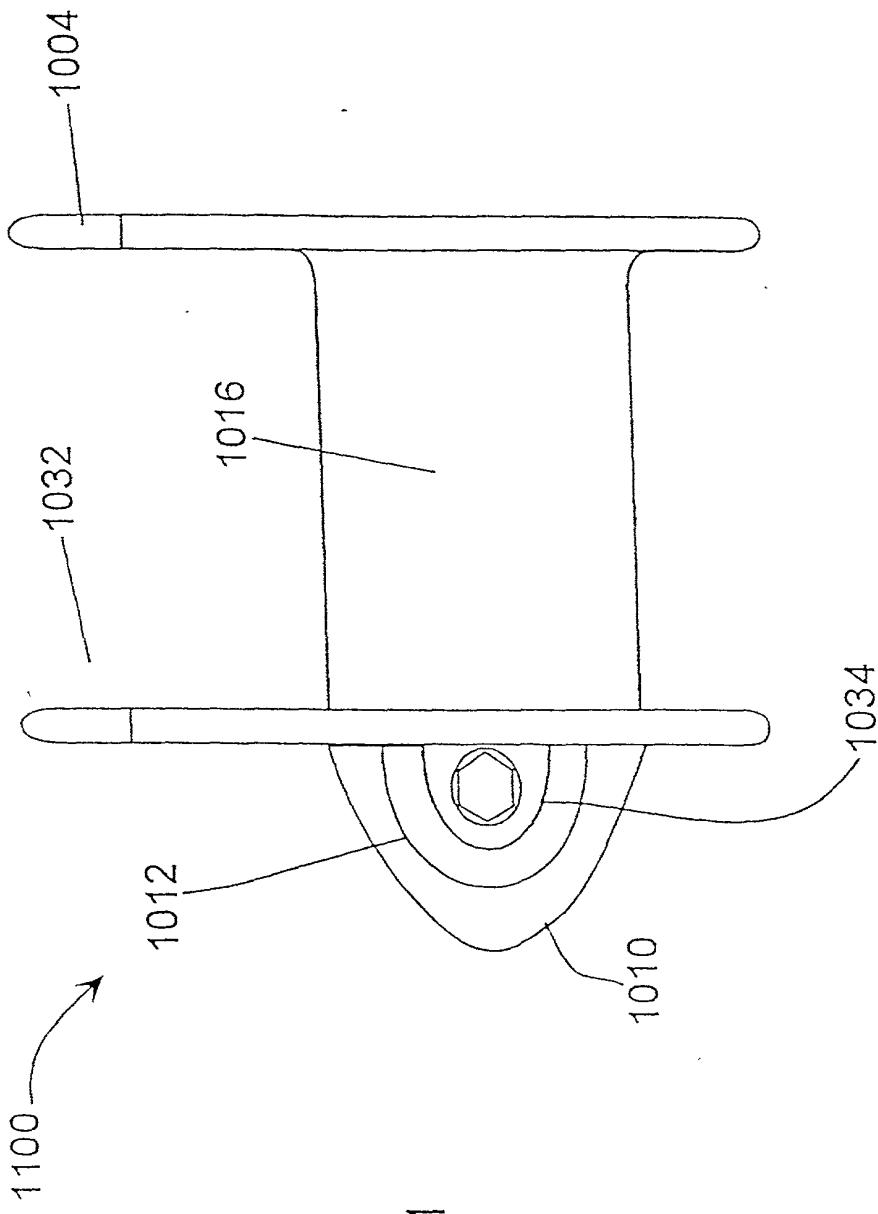


Fig. 101

Fig. 102a

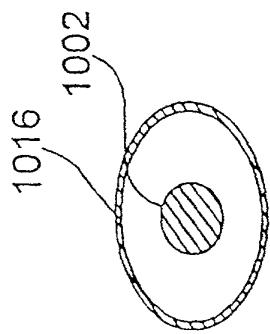
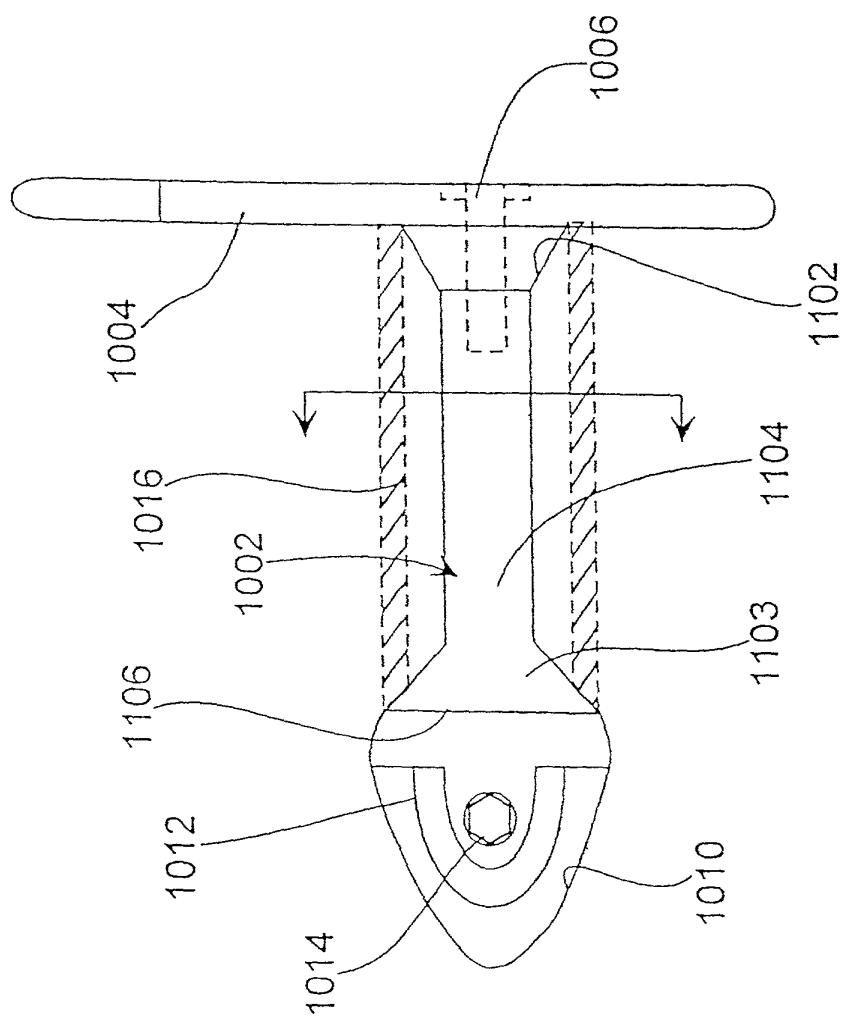


Fig. 102



Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/828,199 Attorney: Scheidorn R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Fig. 103

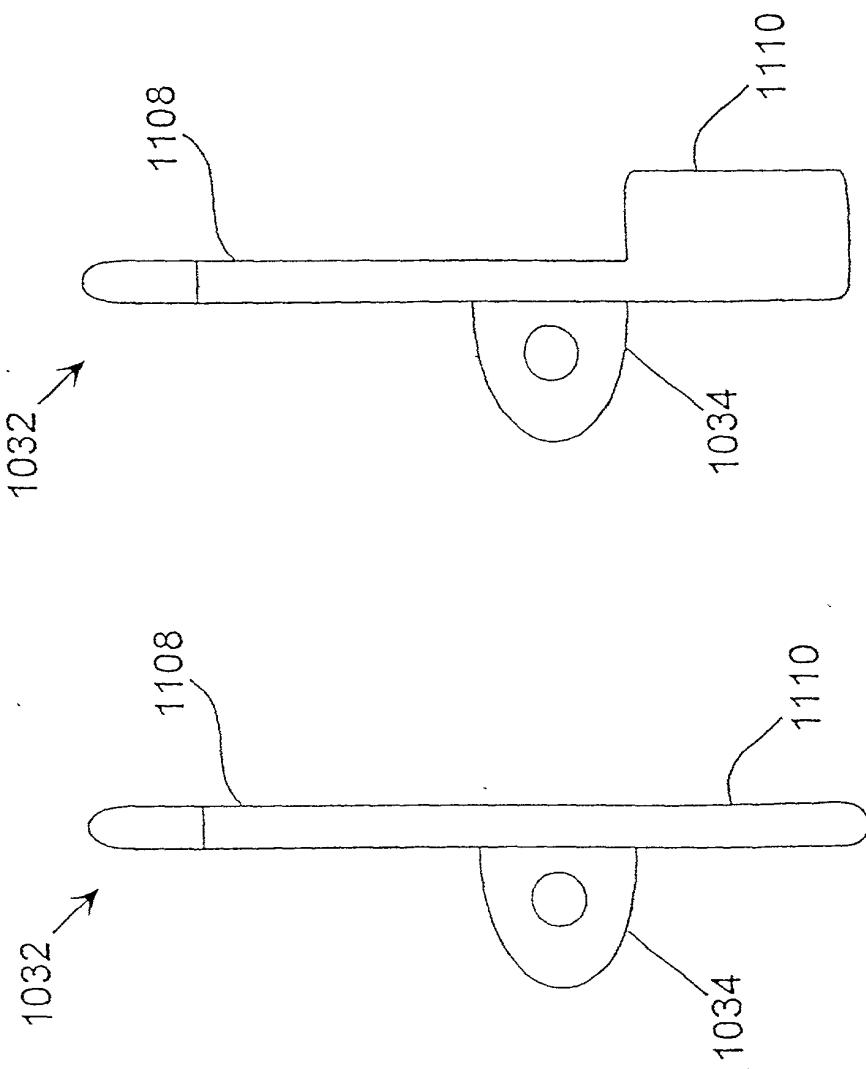


Fig. 104

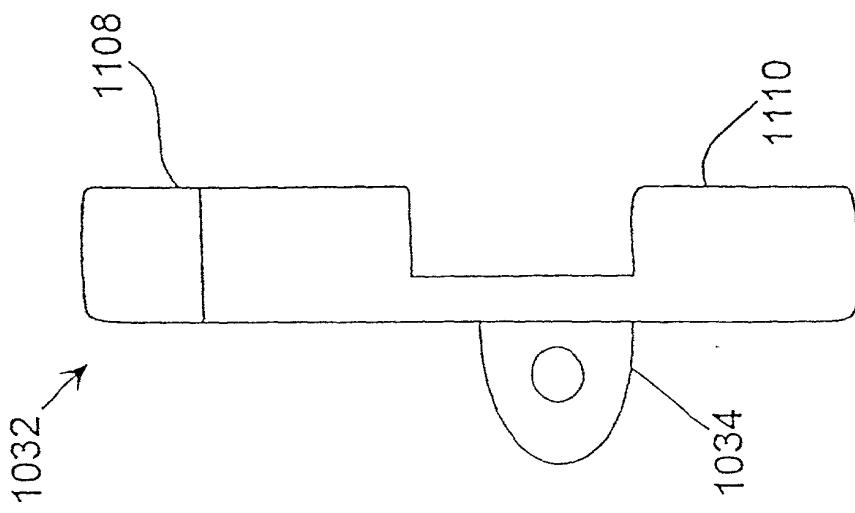


Fig. 105

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Document No.: KLYC-1033US4 SRM Inventors: Zuehmann et al.
Serial No.: 09/842,819 Attorney: Sheldorn R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Fig. 107

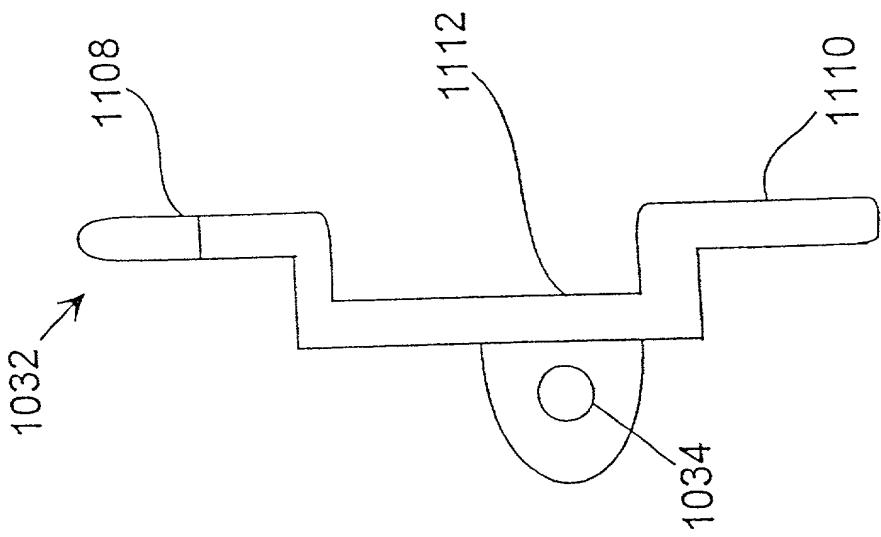
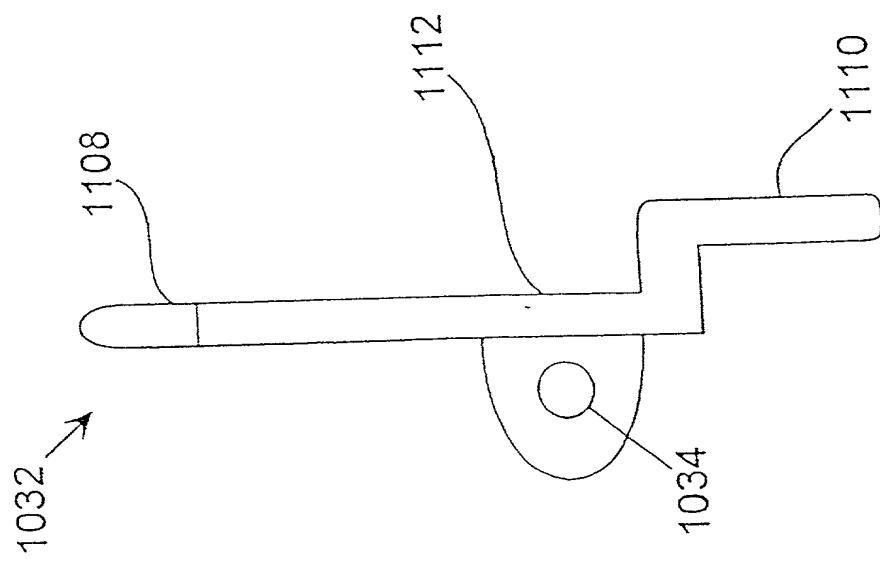


Fig. 106



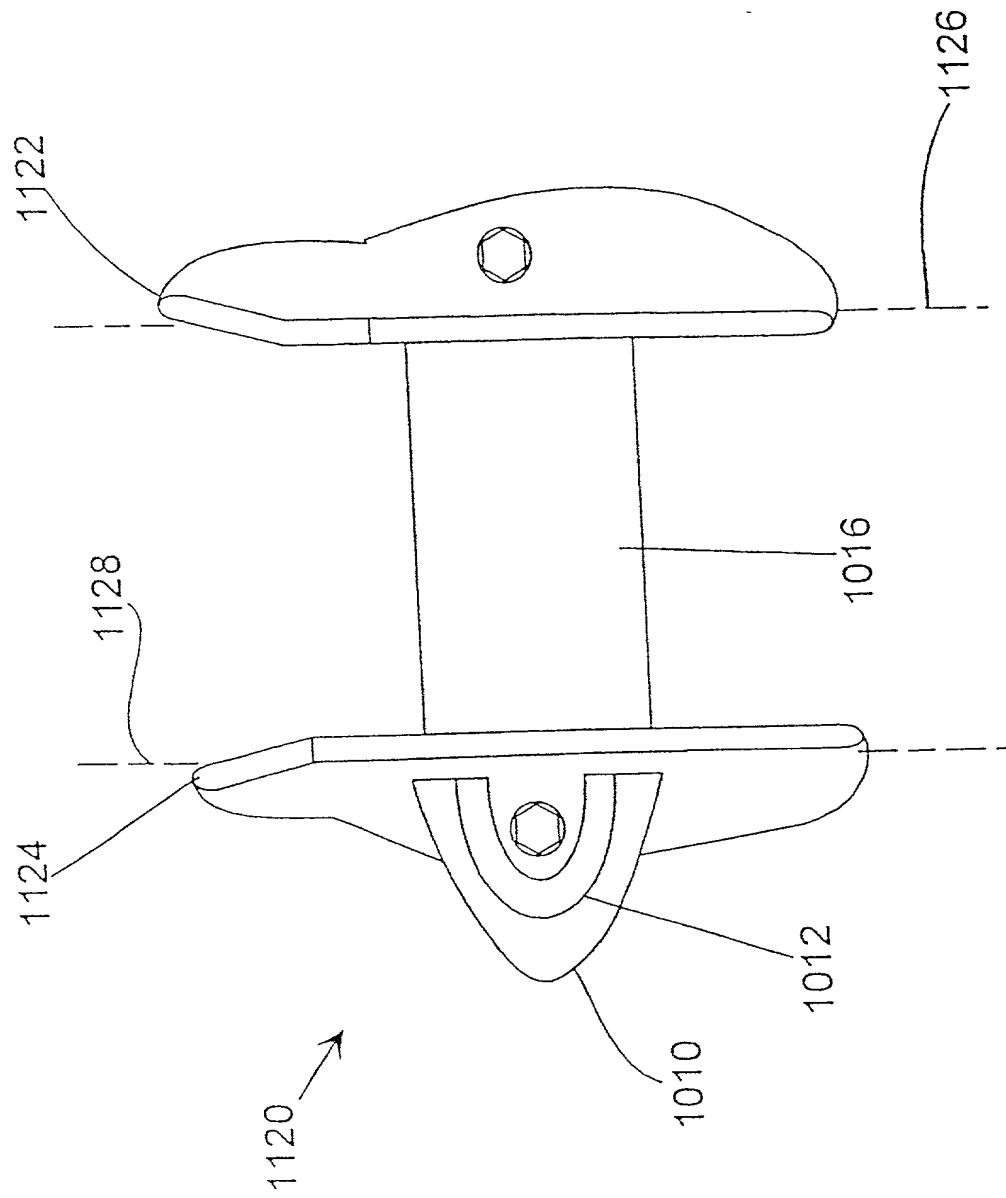
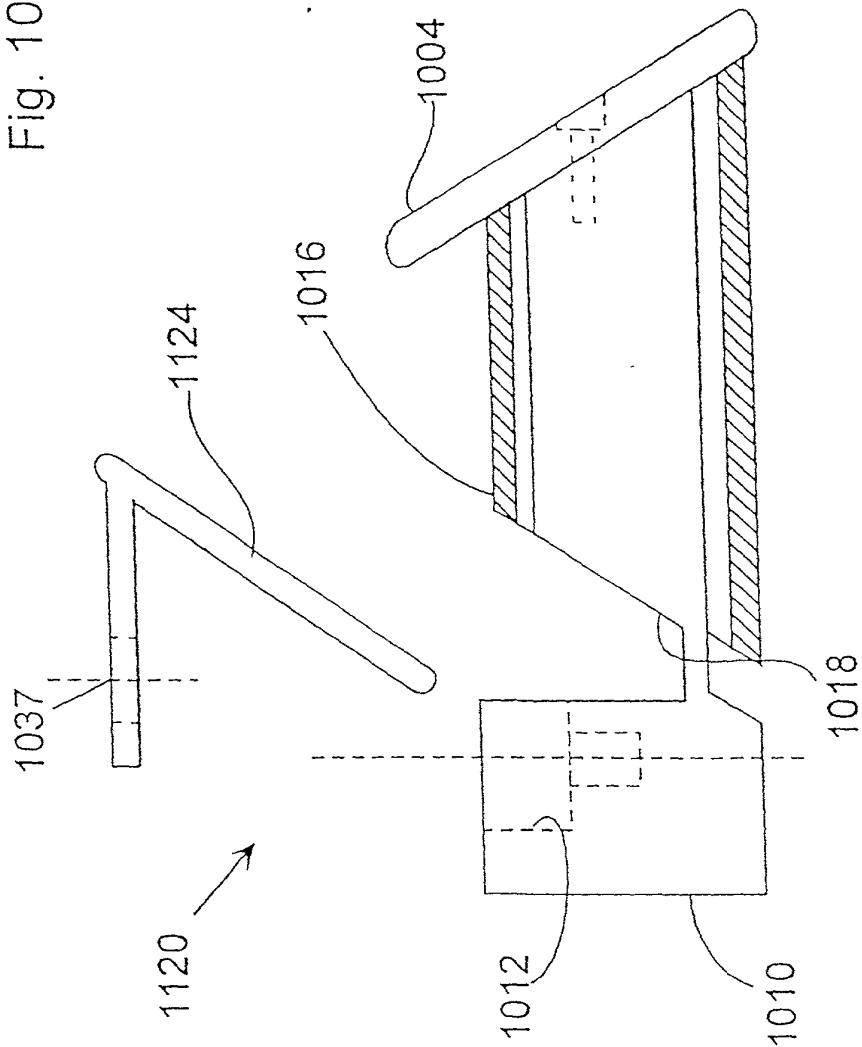


Fig. 108

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
 Serial No.: 09/842,819
 Filed: April 26, 2001
 Inventors: Zucherman et al.
 Attorney: Sheldon R. Meyer
 Phone: (415) 362-3800

Fig. 109



Sheet 61 of 104

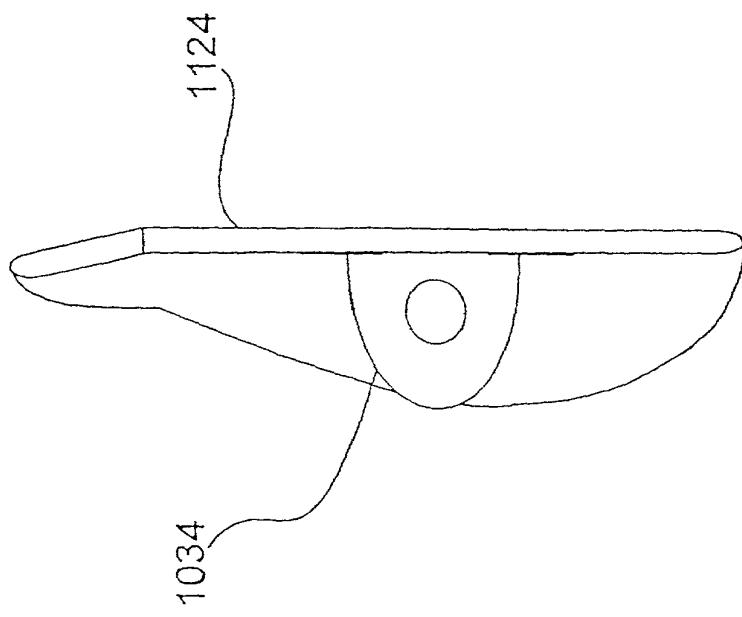


Fig. 110

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Booker No.: KLYC103US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldom R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

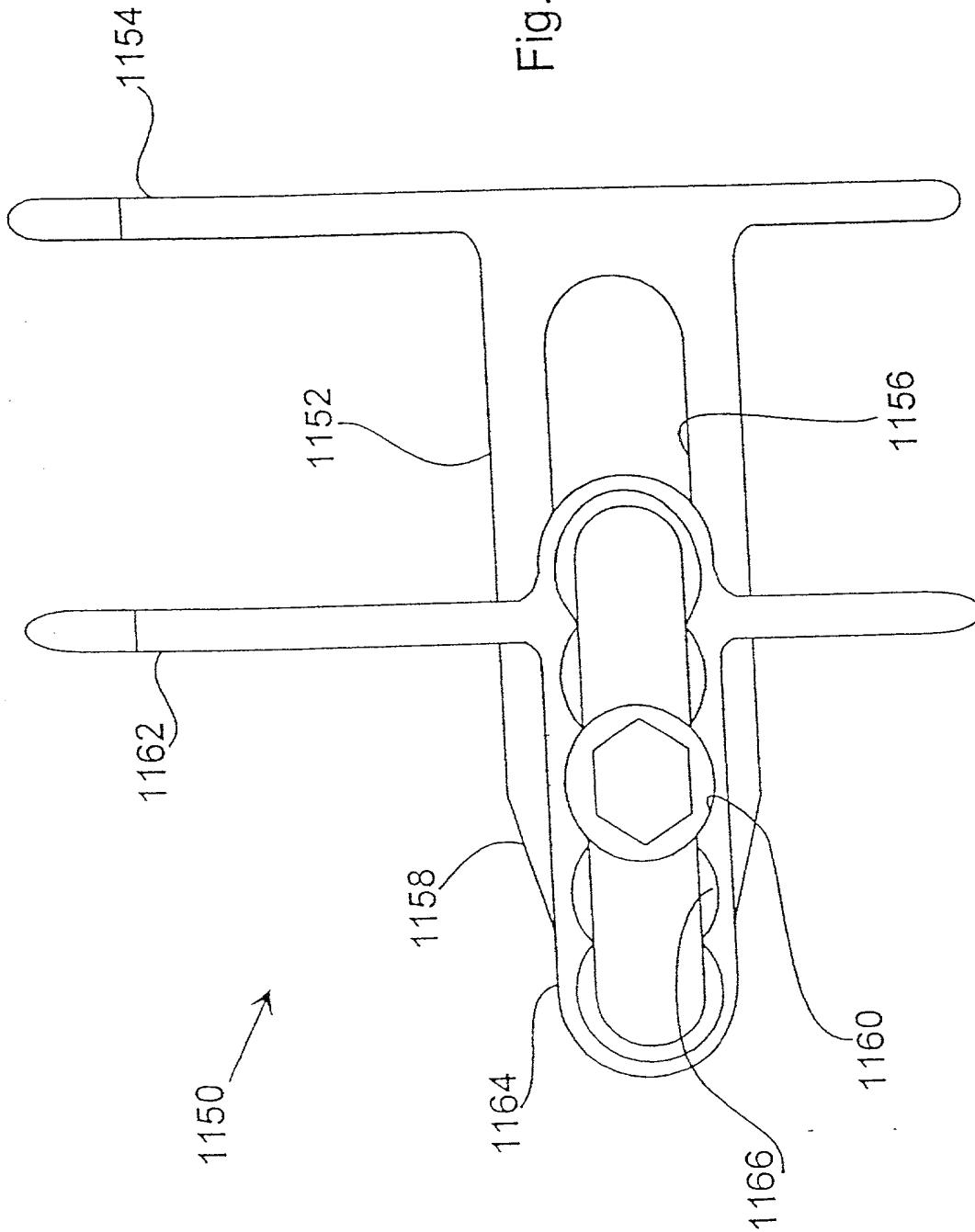


Fig. 111

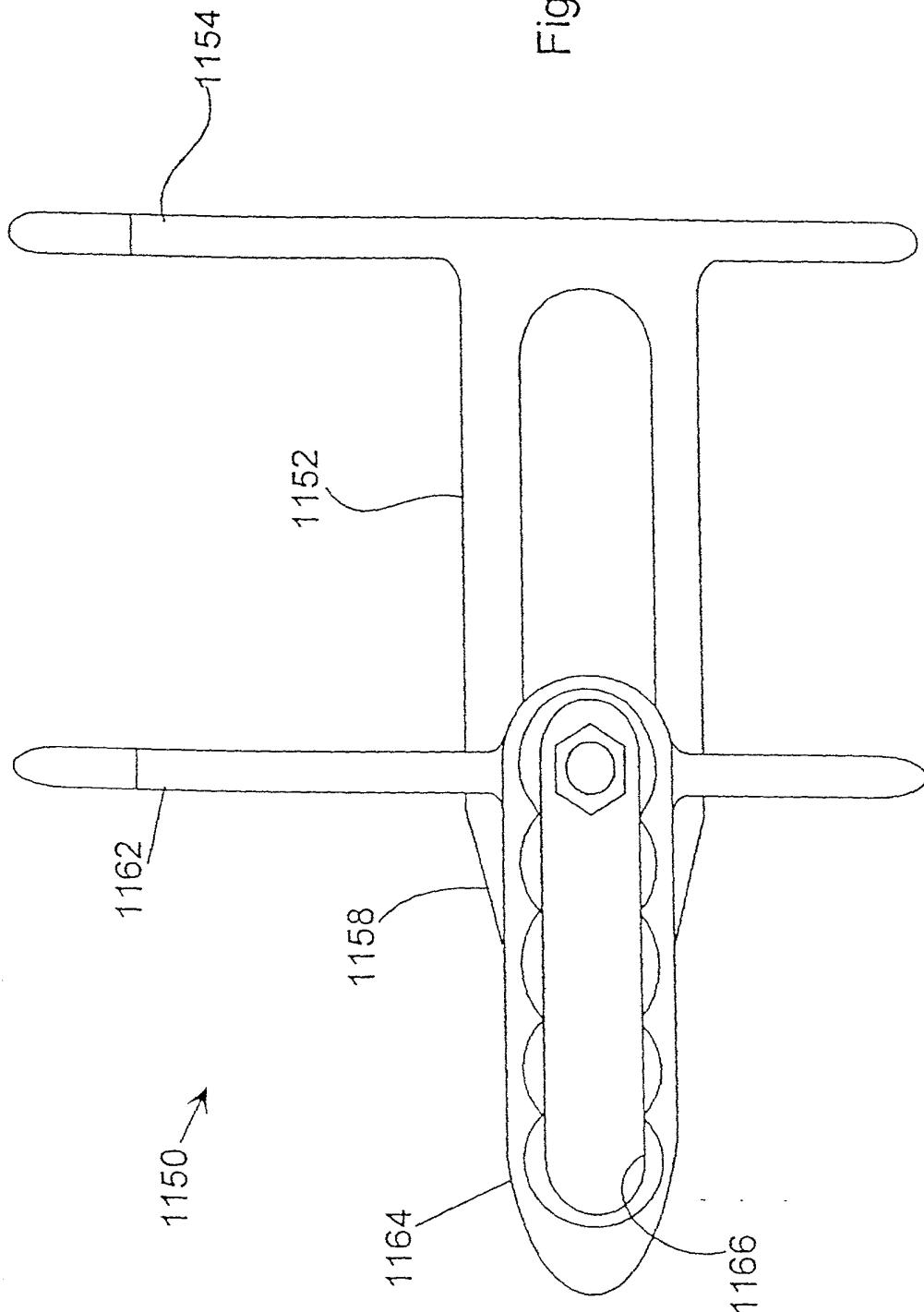


Fig. 112

Fig. 113

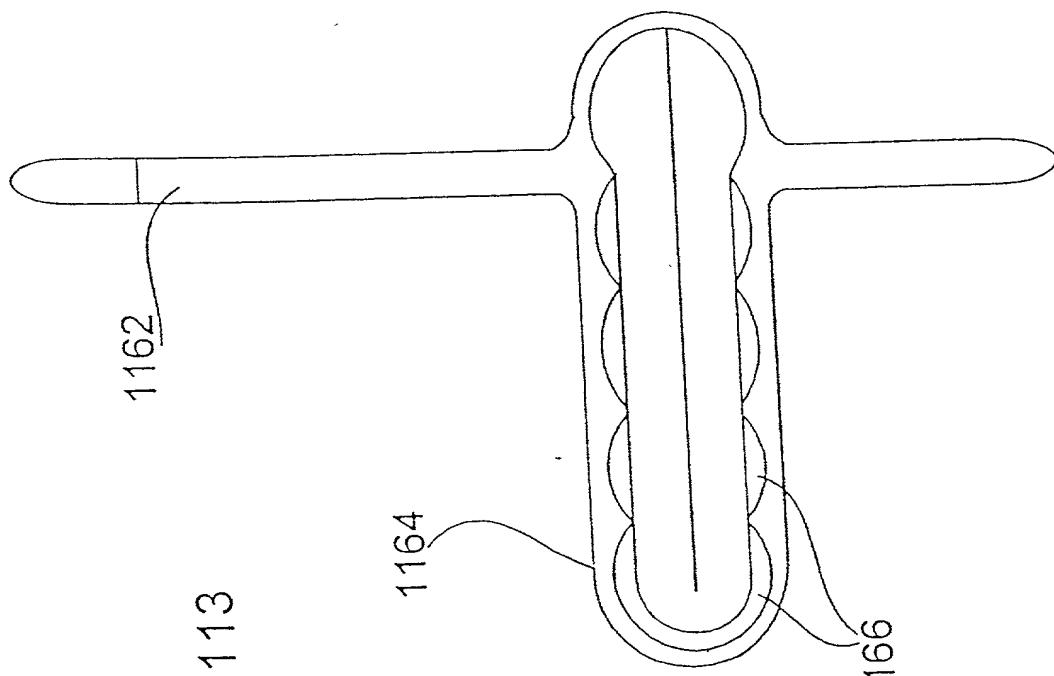


Fig. 114

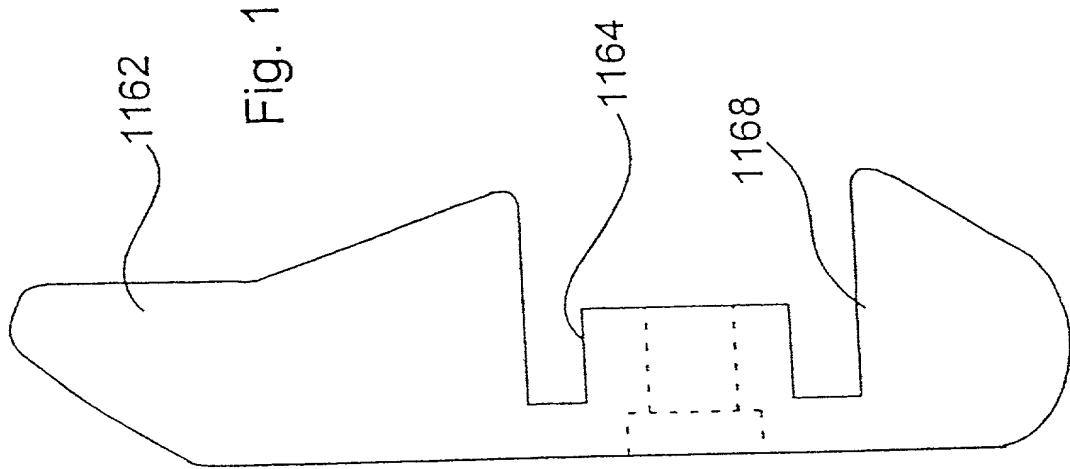


Fig. 115

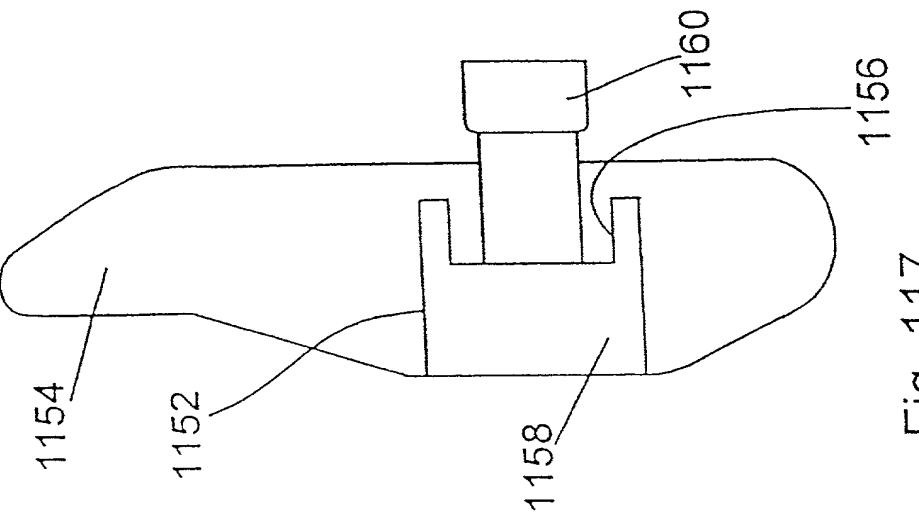
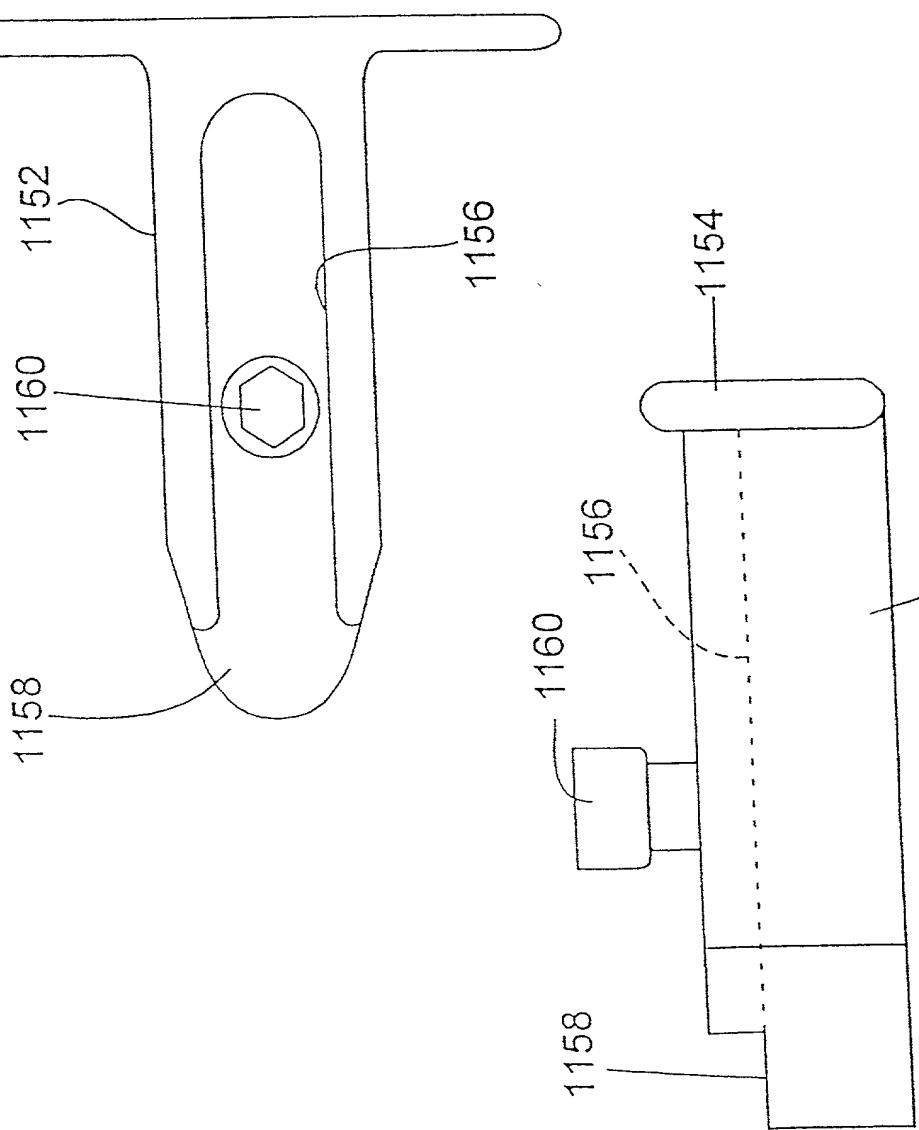


Fig. 116

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Inventors: Zuchermann et al.
Document No.: KLYC-1033US4 SRM
Serial No.: 09/842,819
Filed: April 26, 2001
Phone: (415) 362-3800
Attoomey: Sheldon R. Meyer

Fig. 118

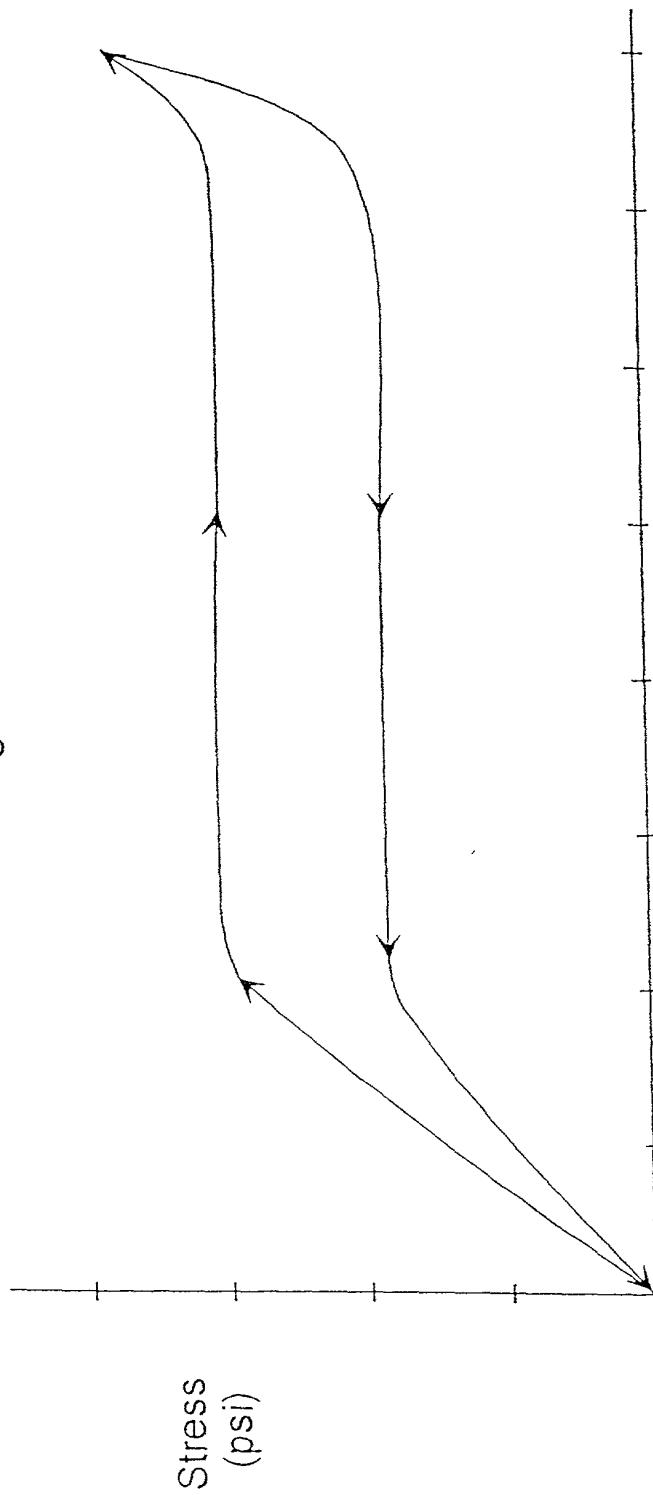


Fig. 123b

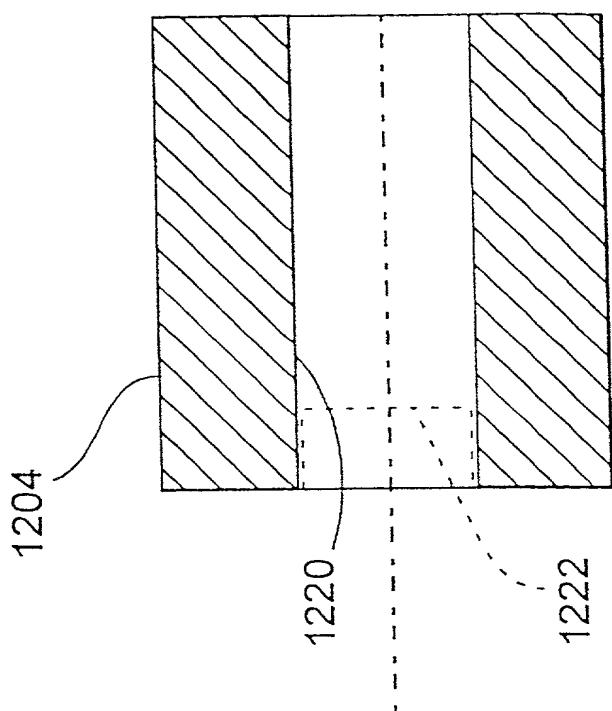
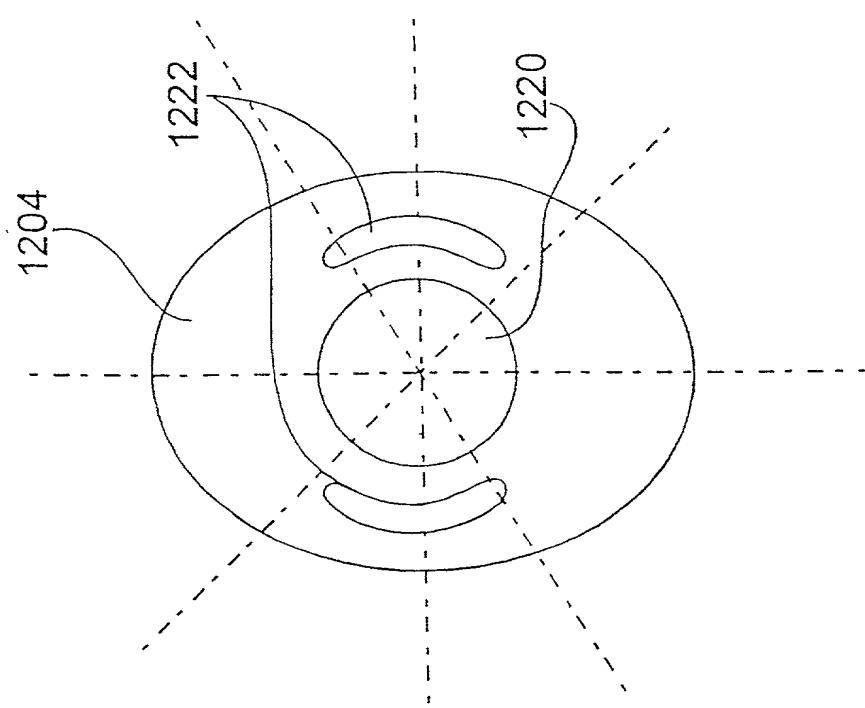


Fig. 123a



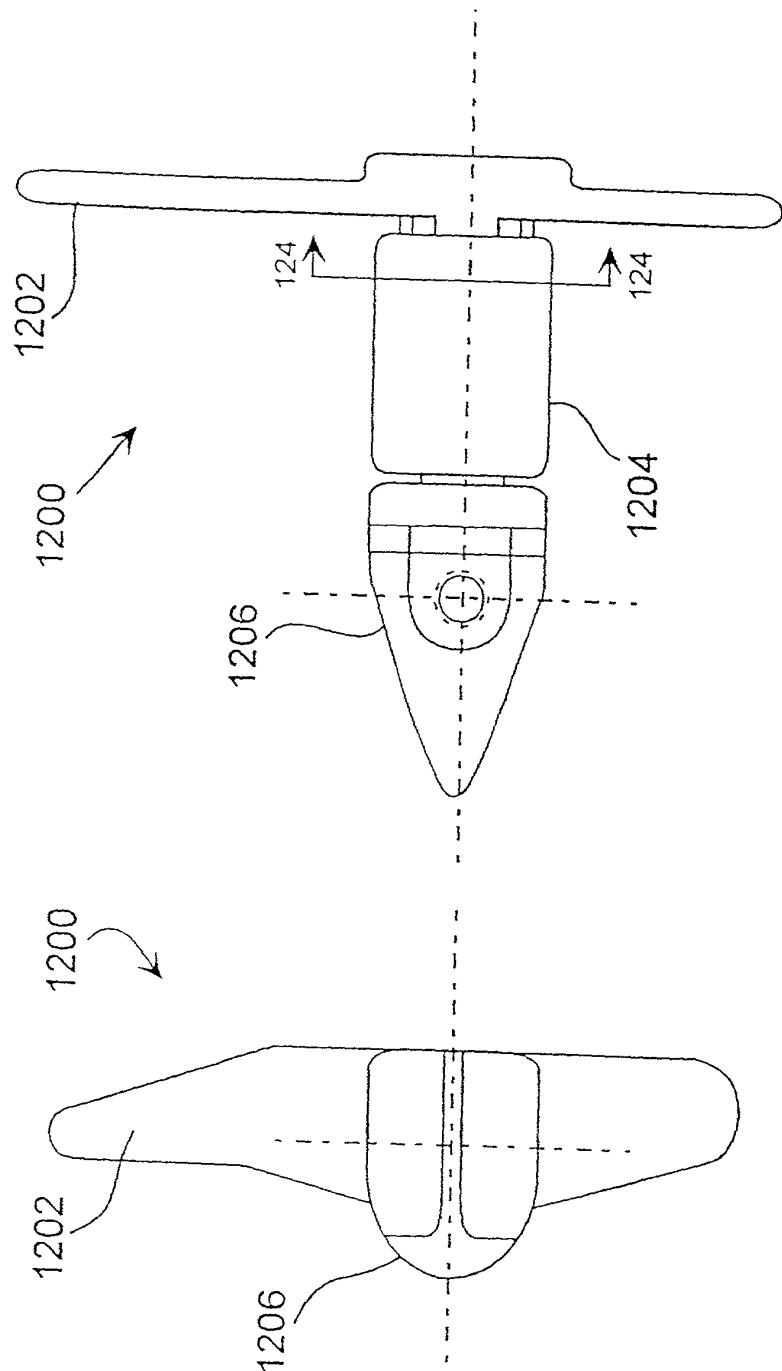


Fig. 119a

Fig. 119b

Fig. 120a

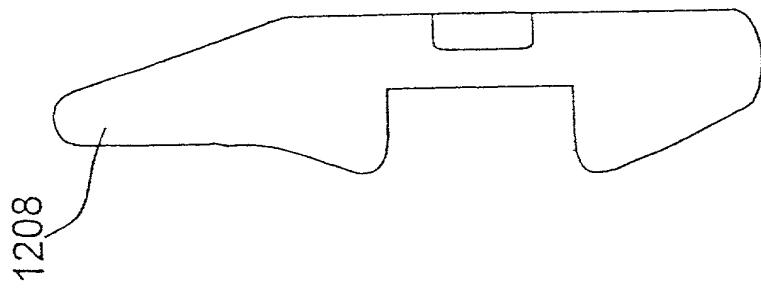
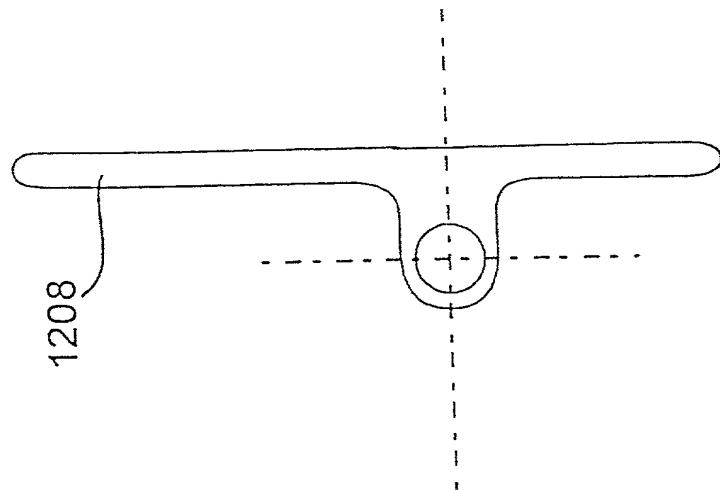


Fig. 120b



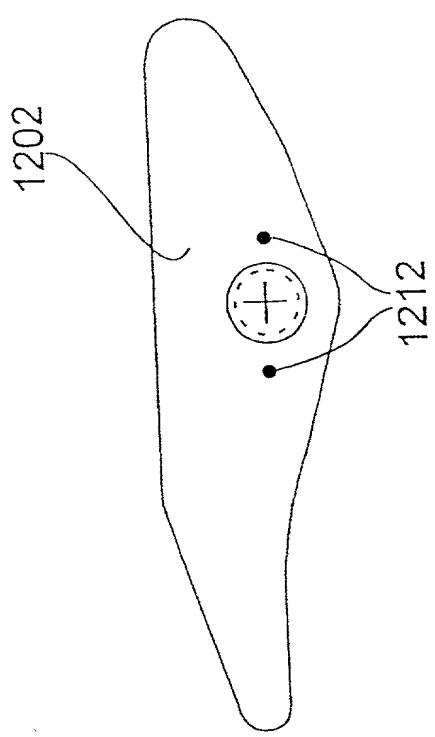


Fig. 121a

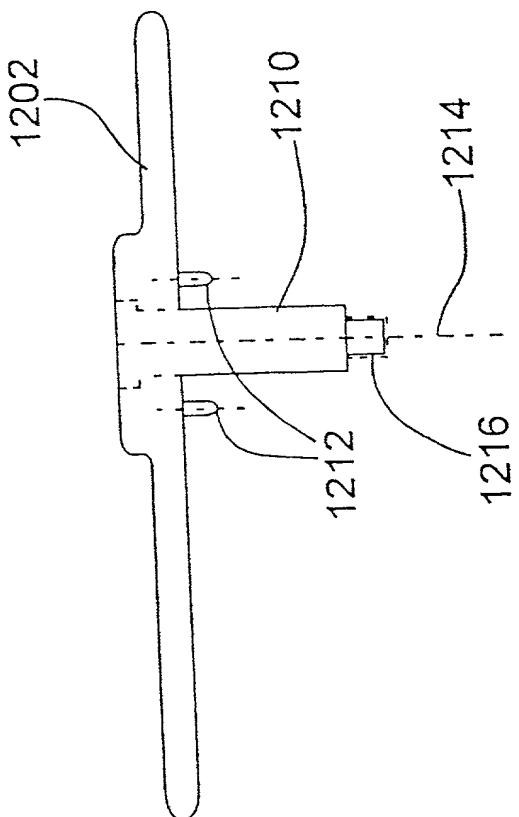


Fig. 121b

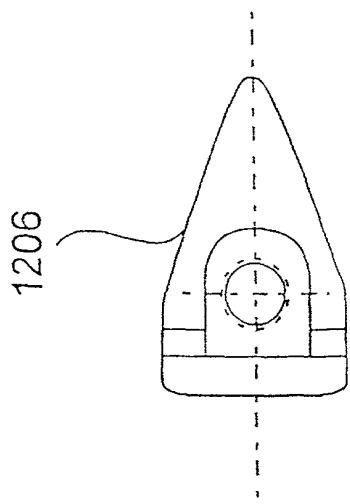


Fig. 122a

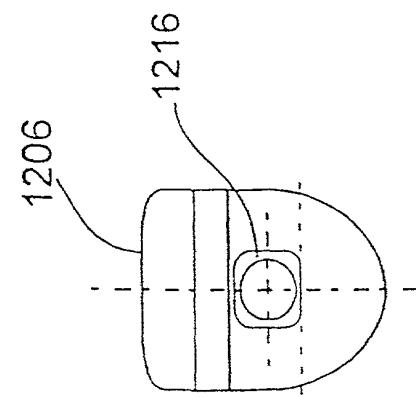


Fig. 122b

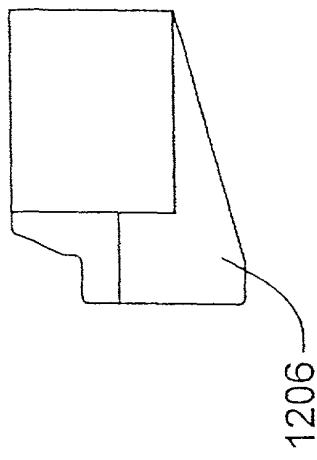


Fig. 122c

Fig. 123a

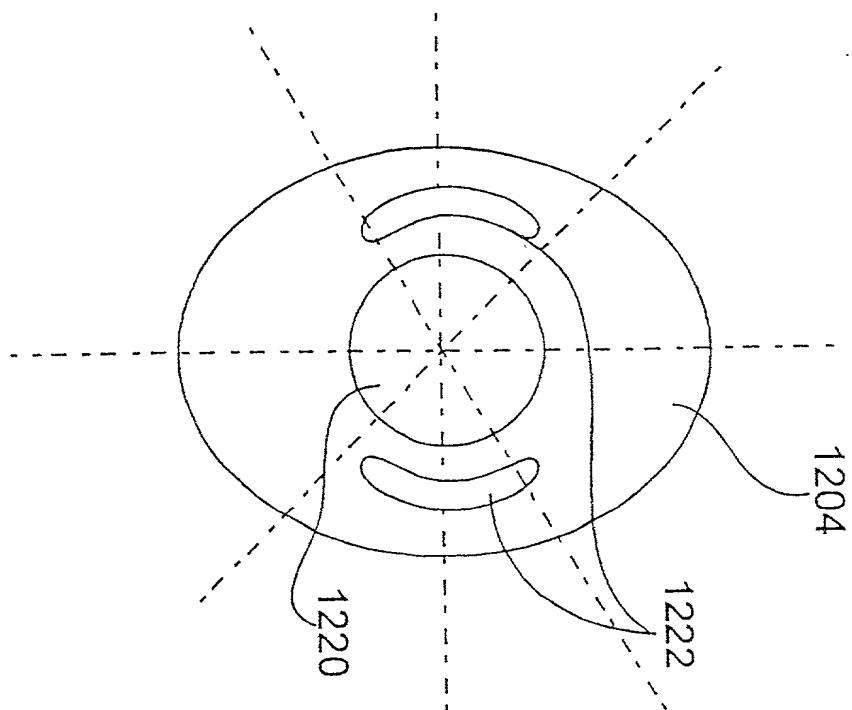
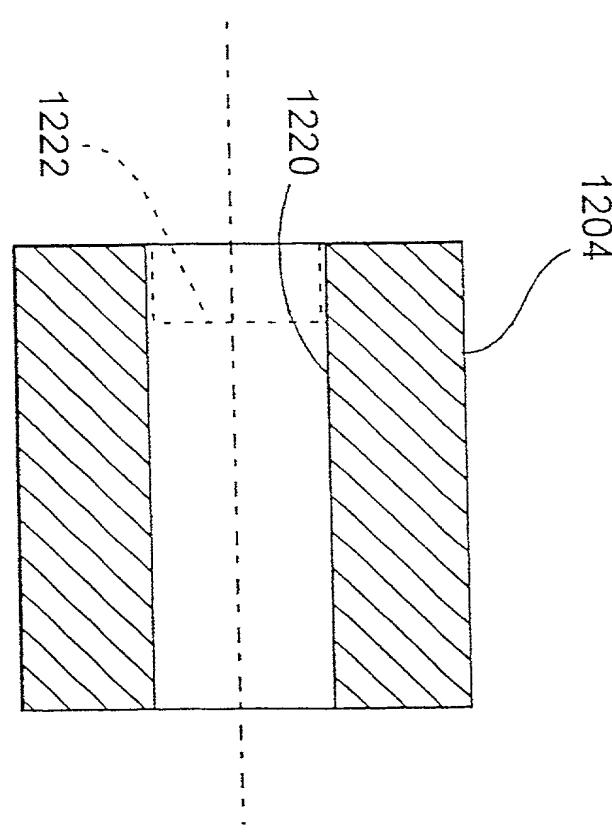
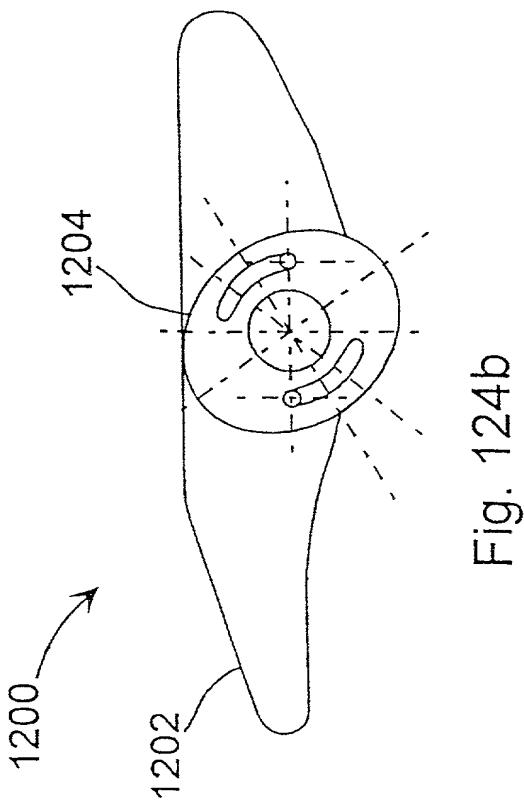
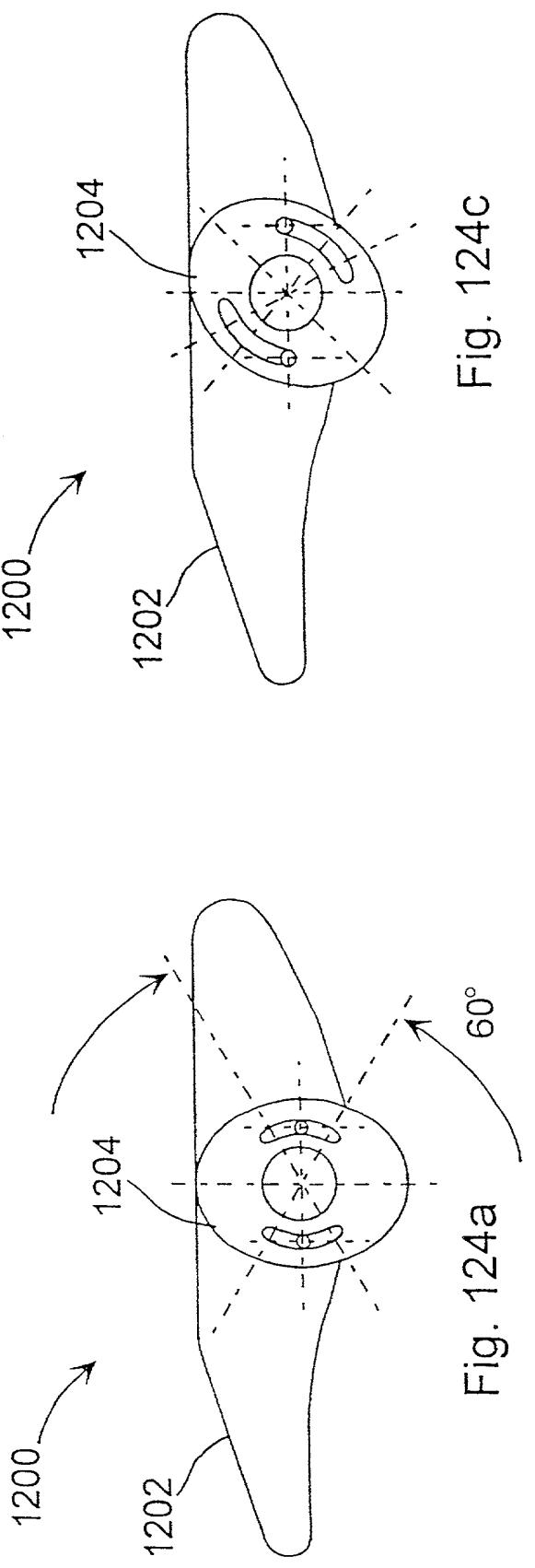


Fig. 123b





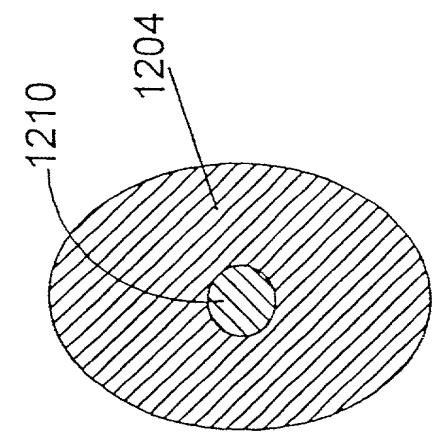


Fig. 125

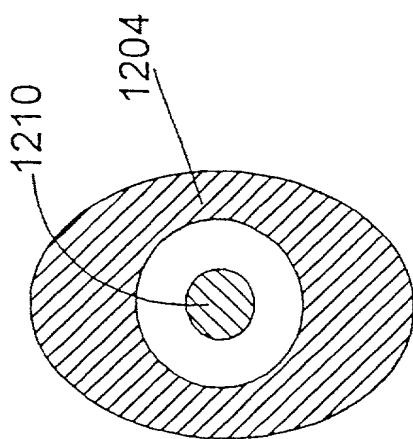


Fig. 126

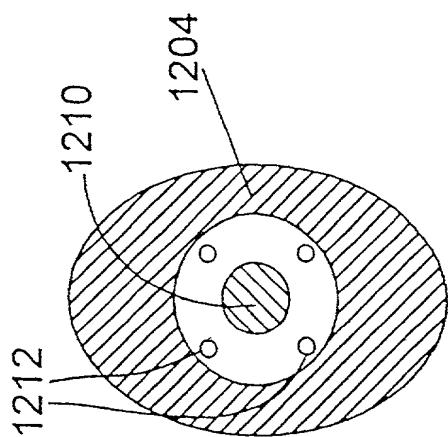


Fig. 127

Fig. 129

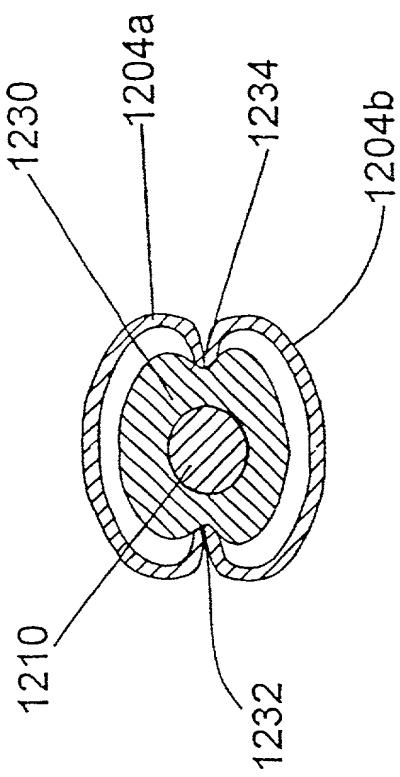
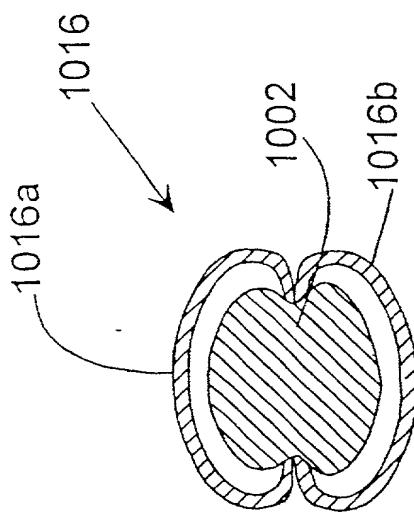


Fig. 128



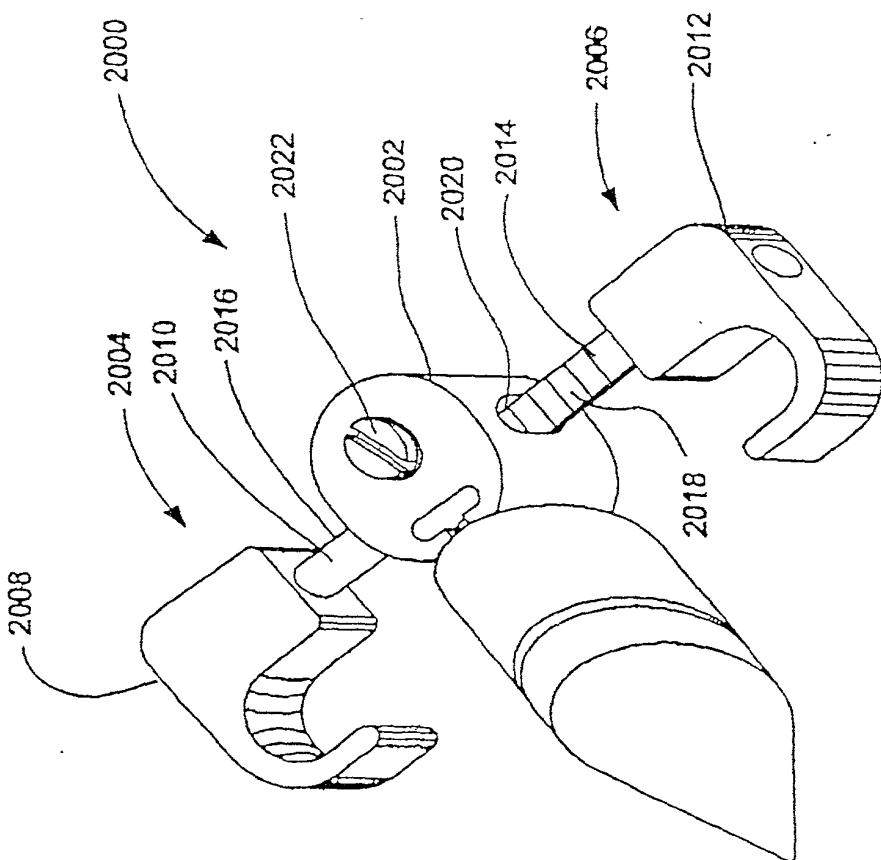


FIG. - 130

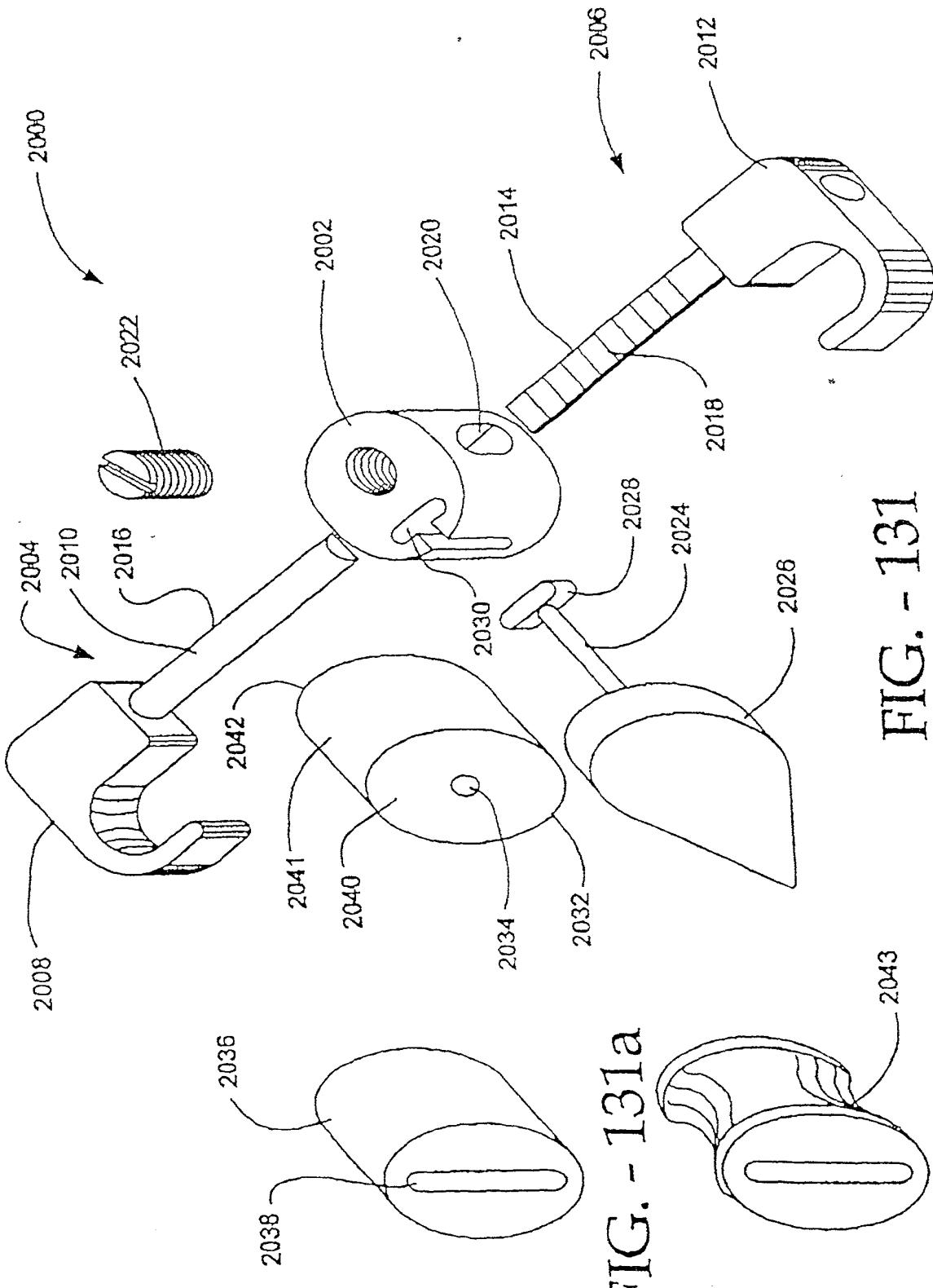


FIG. - 131

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 78 of 104

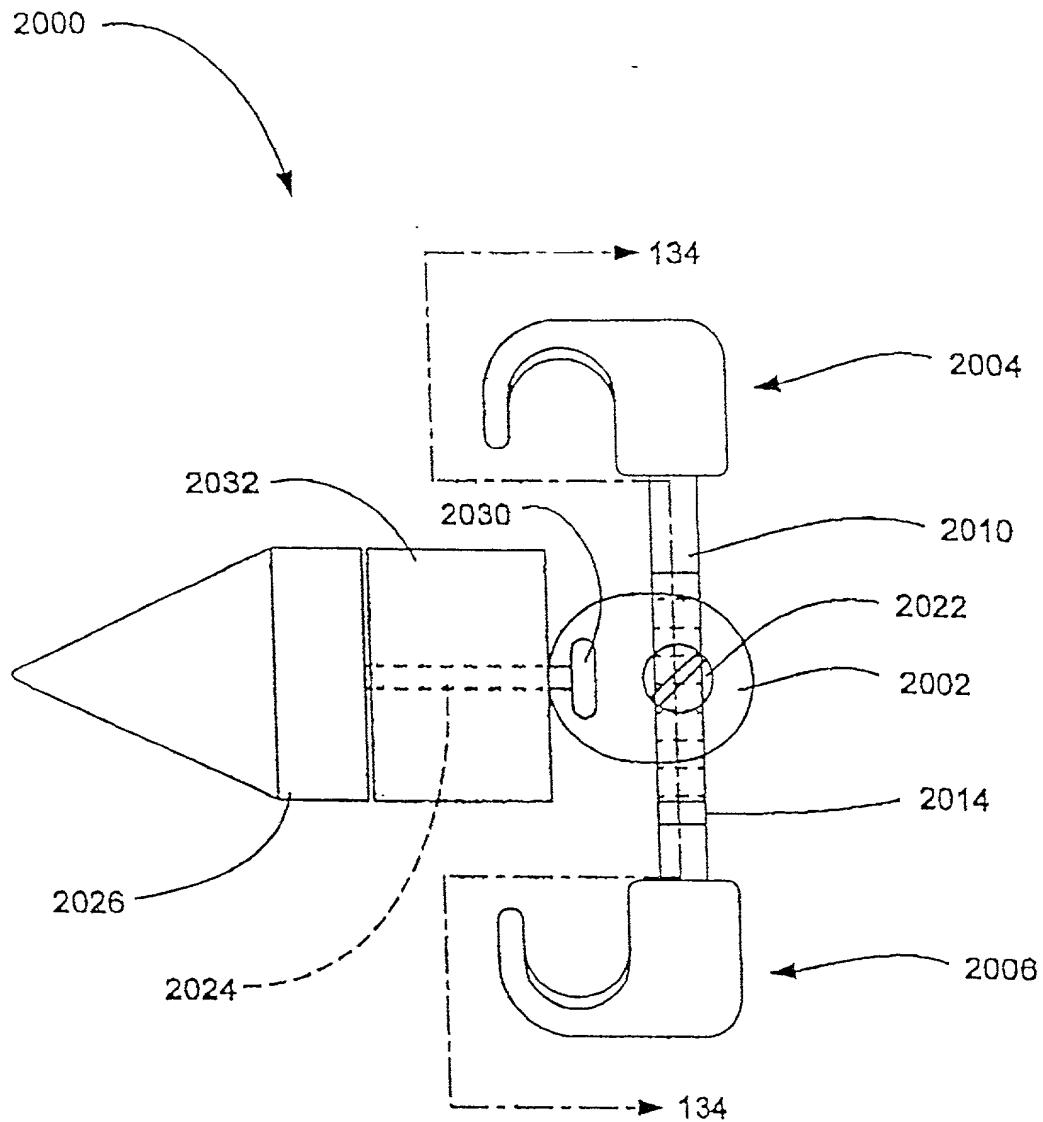


FIG. - 132

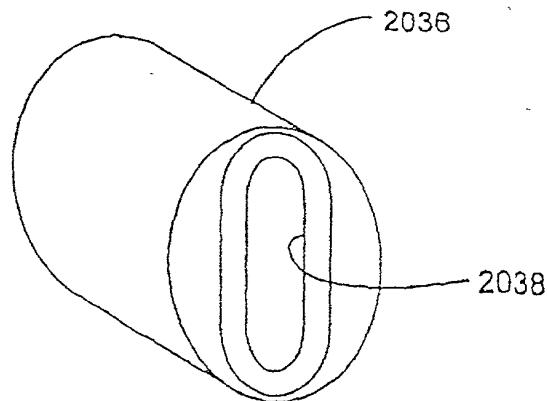


FIG. - 133a

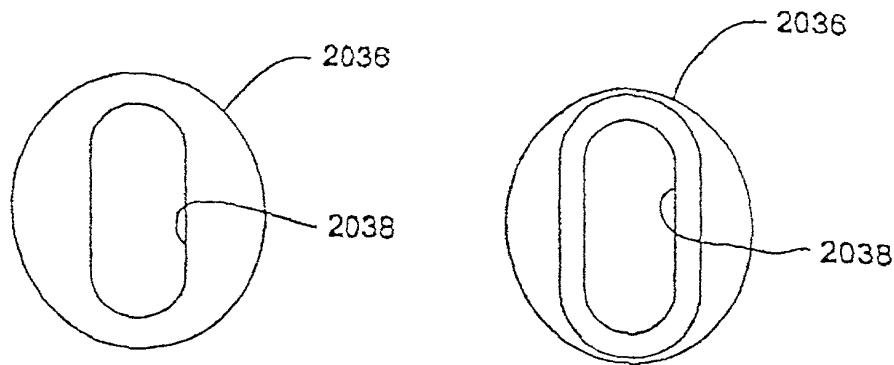


FIG. - 133b

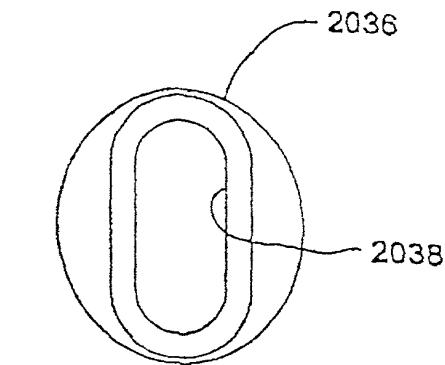


FIG. - 133c

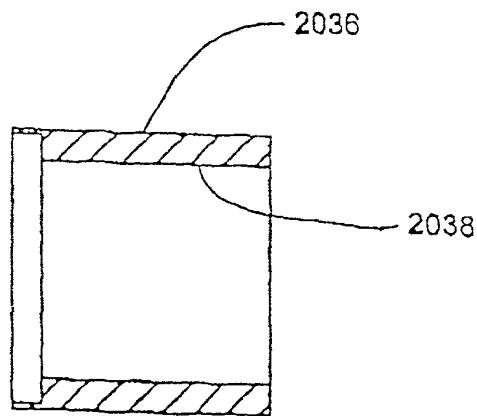


FIG. - 133d

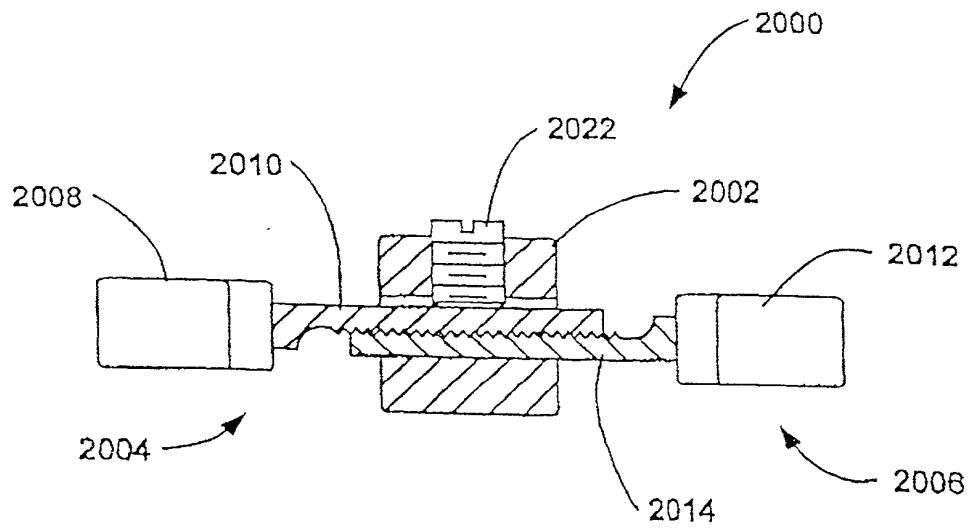


FIG. - 134

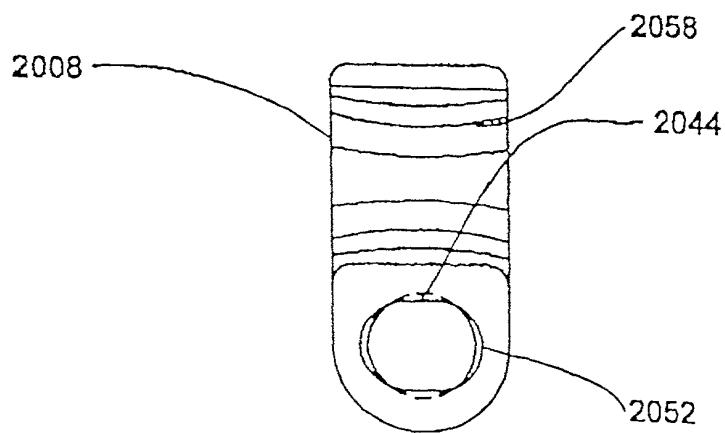


FIG. - 135a

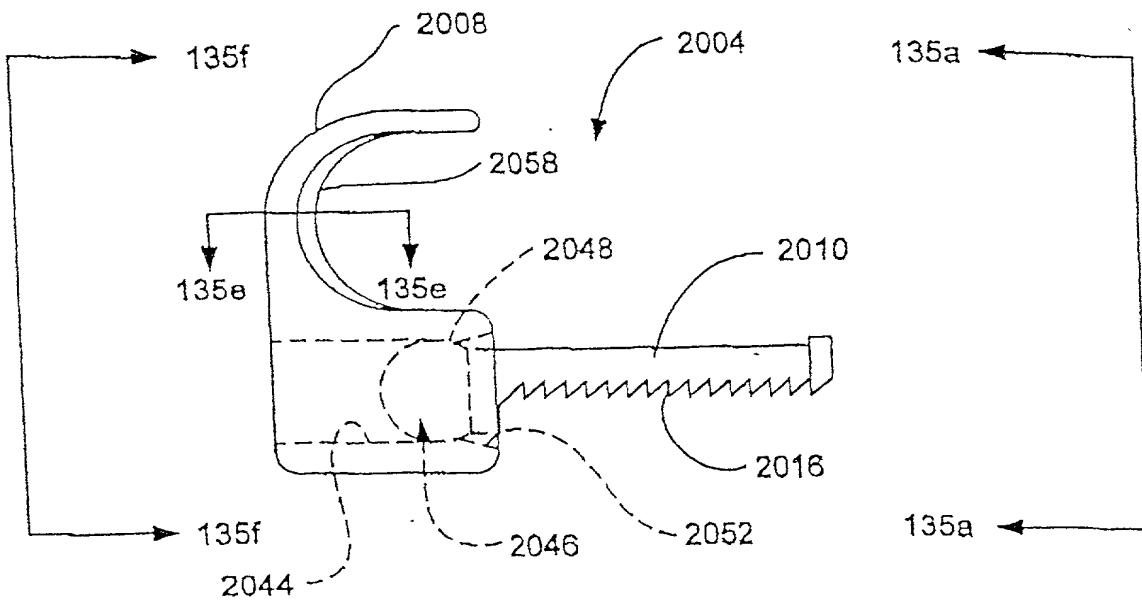


FIG. - 135b

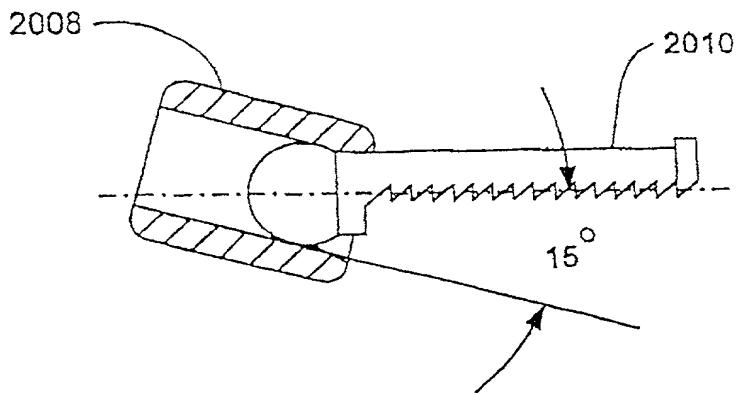


FIG. - 135c

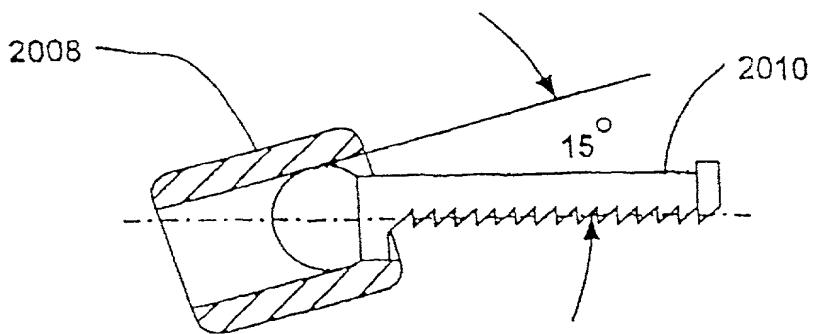


FIG. - 135d

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 82 of 104

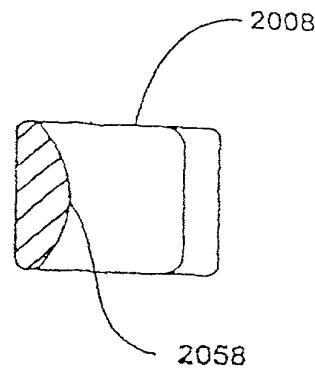


FIG. - 135e

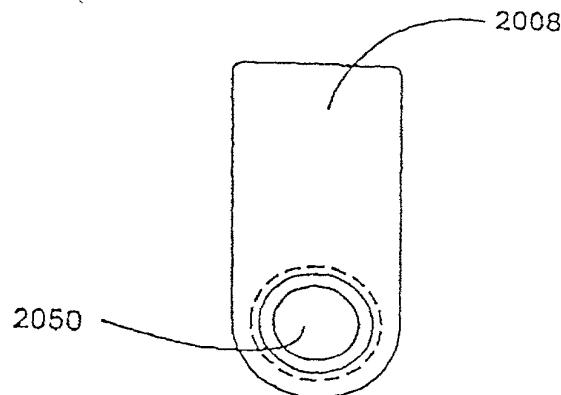


FIG. - 135f

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 83 of 104

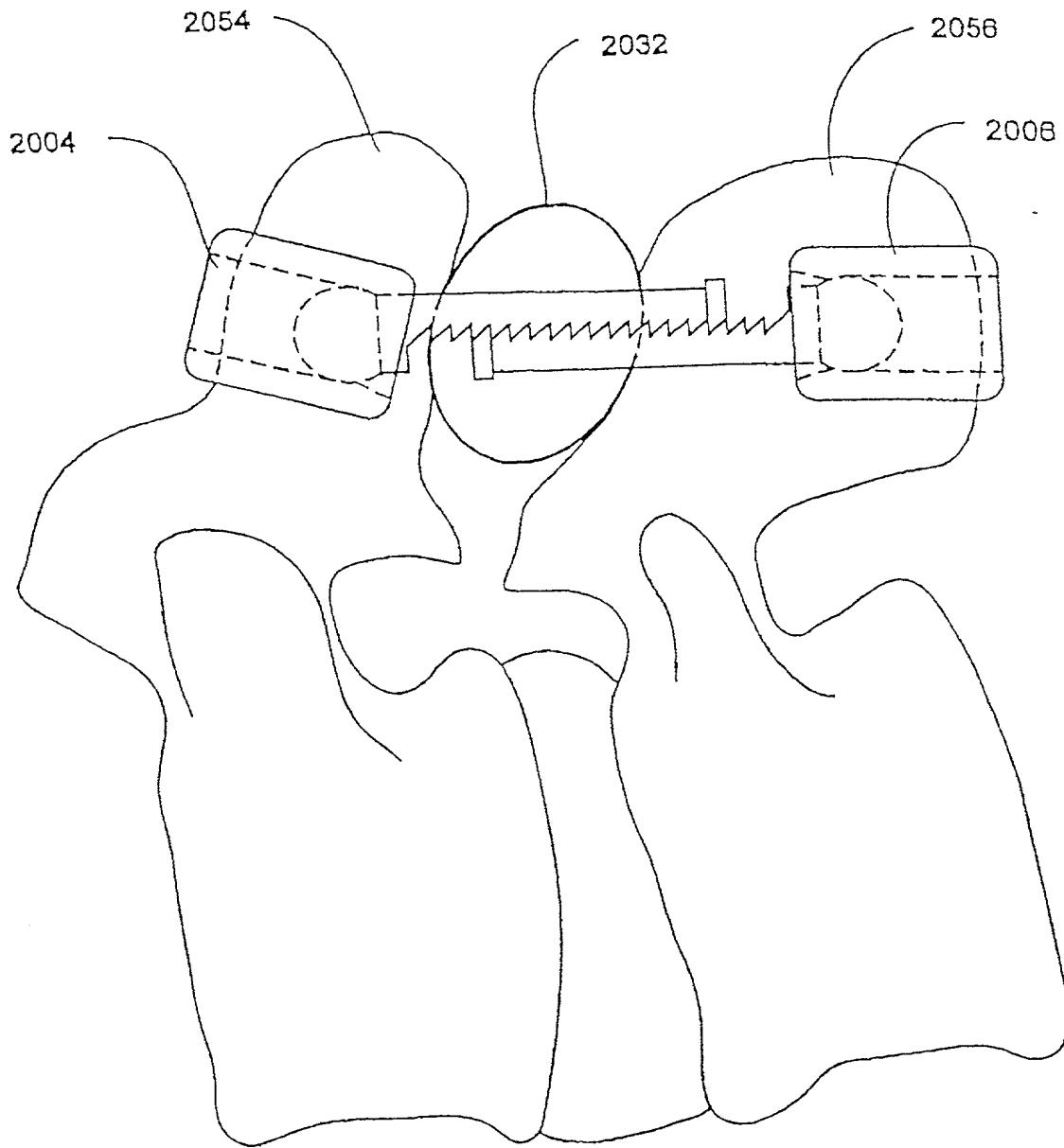


FIG. - 136

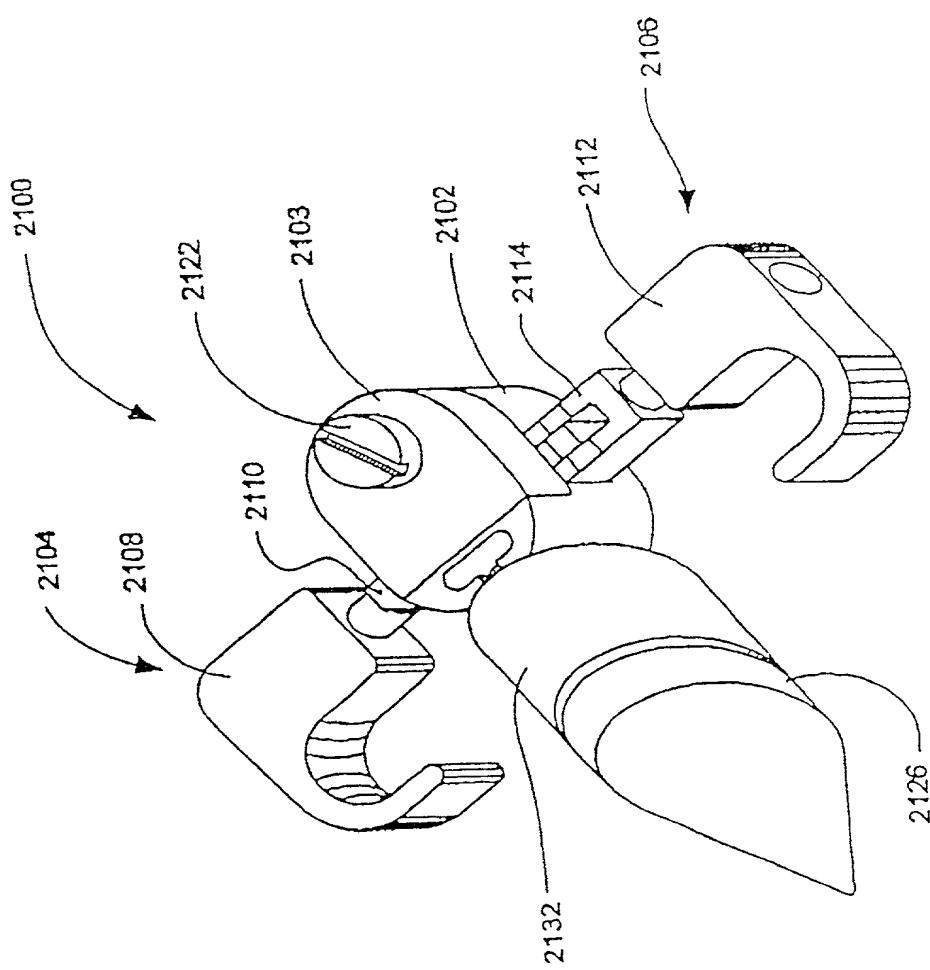
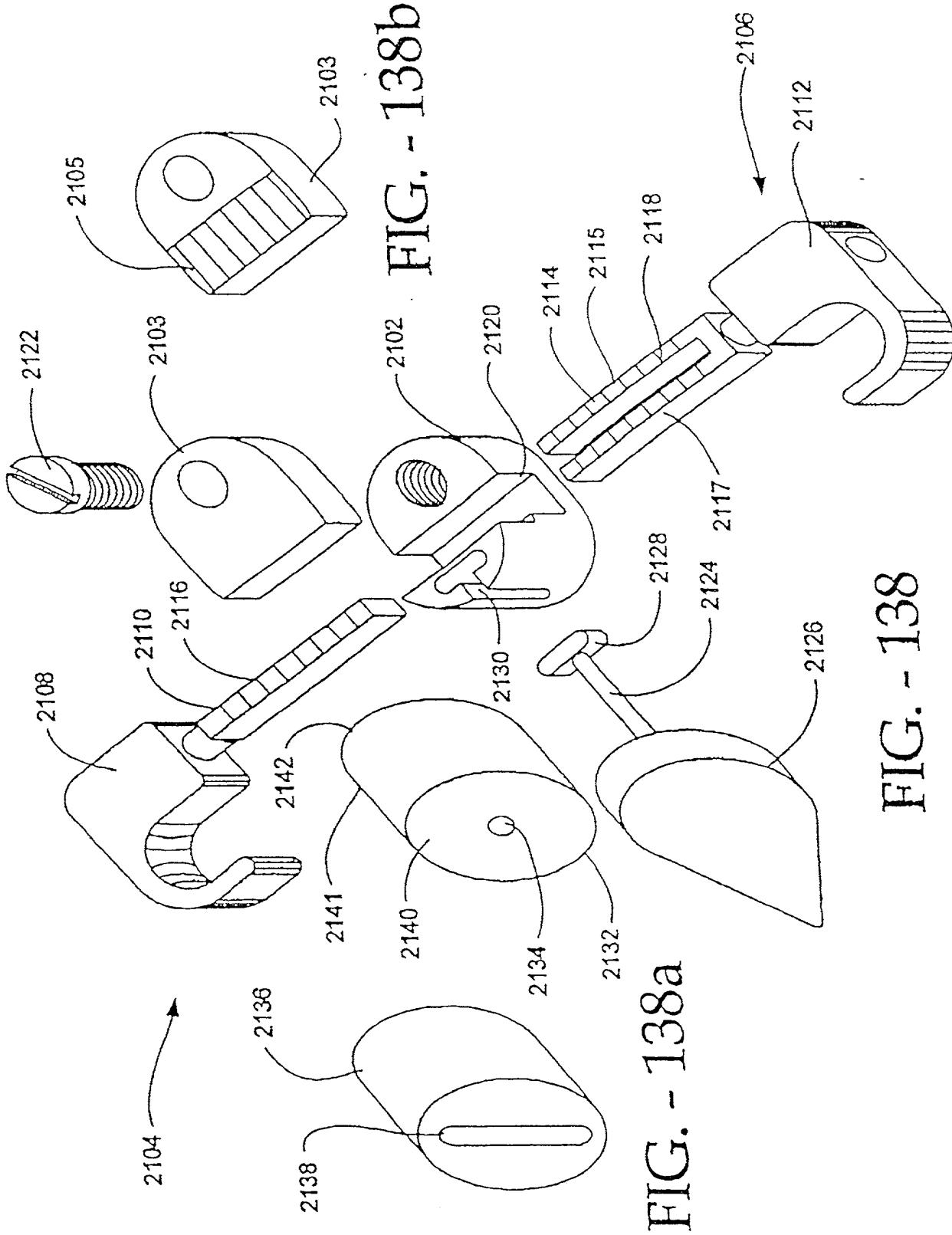


FIG. - 137



Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 86 of 104

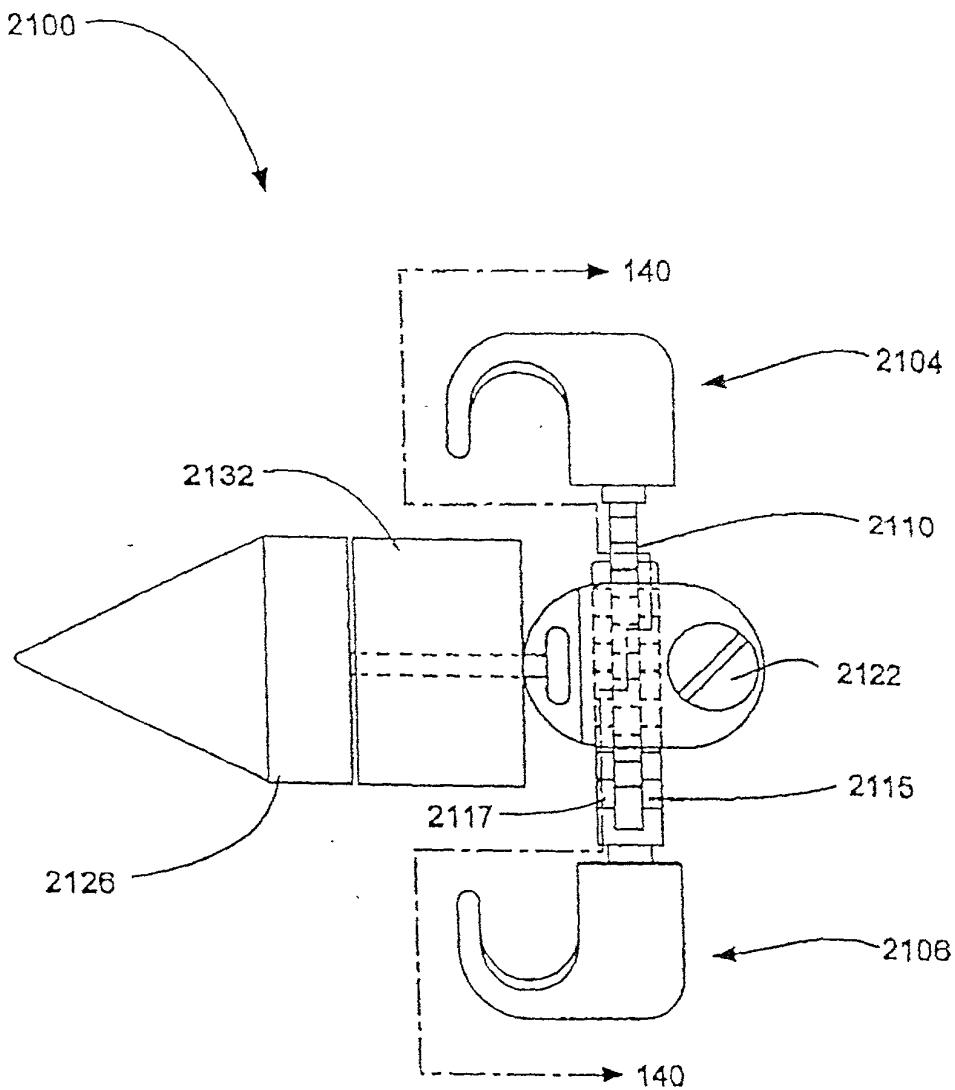


FIG. - 139

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 87 of 104

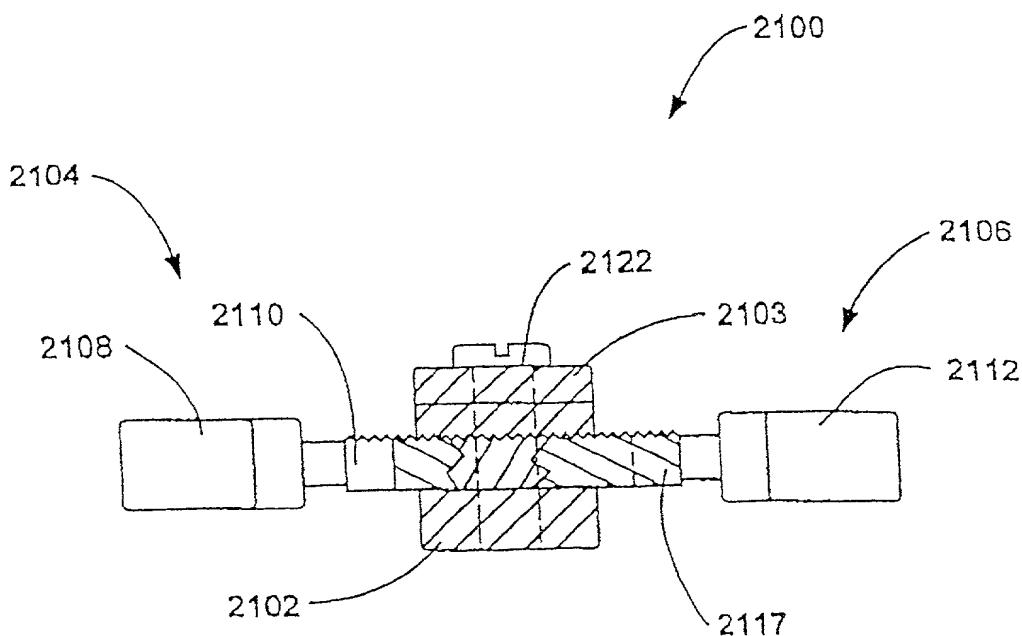
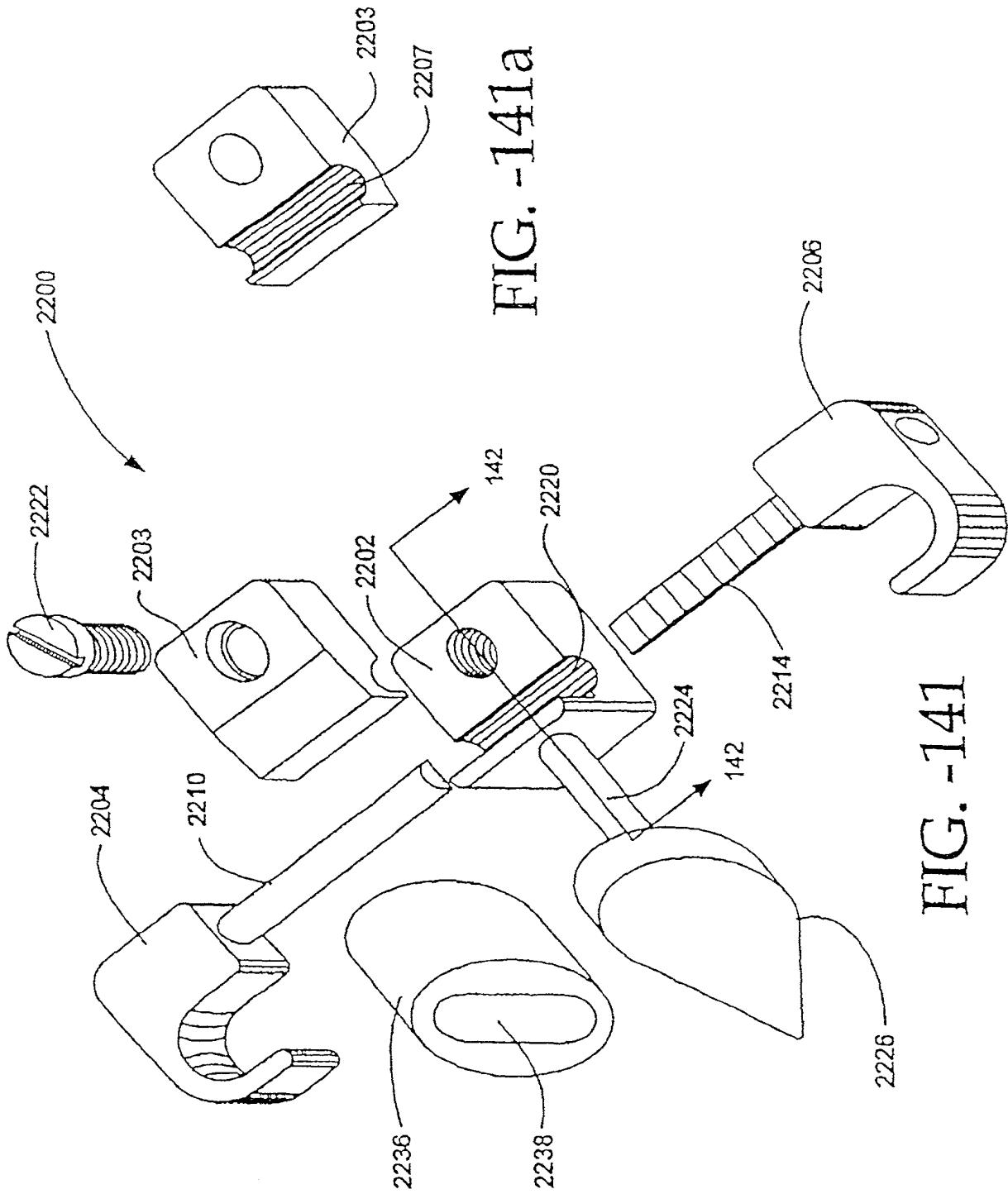


FIG. - 140



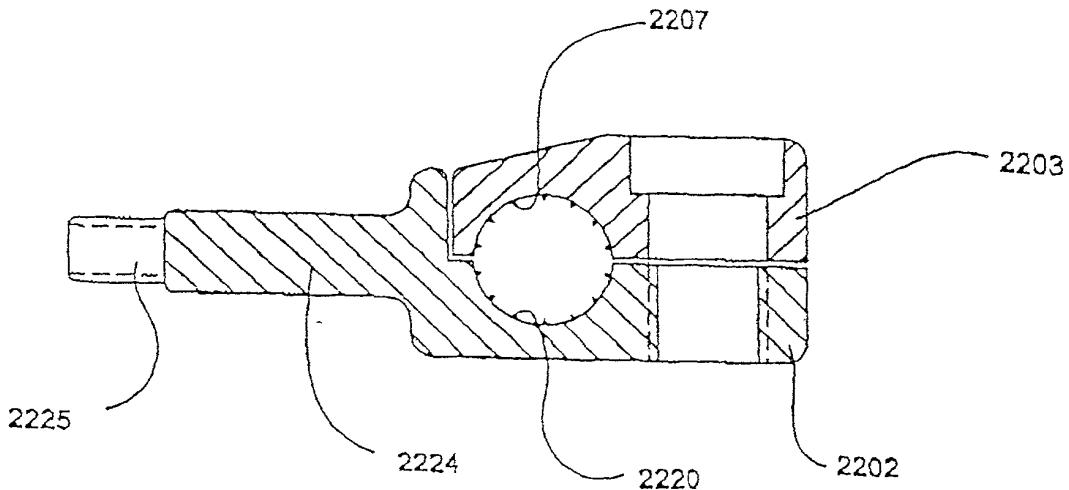


FIG. -142

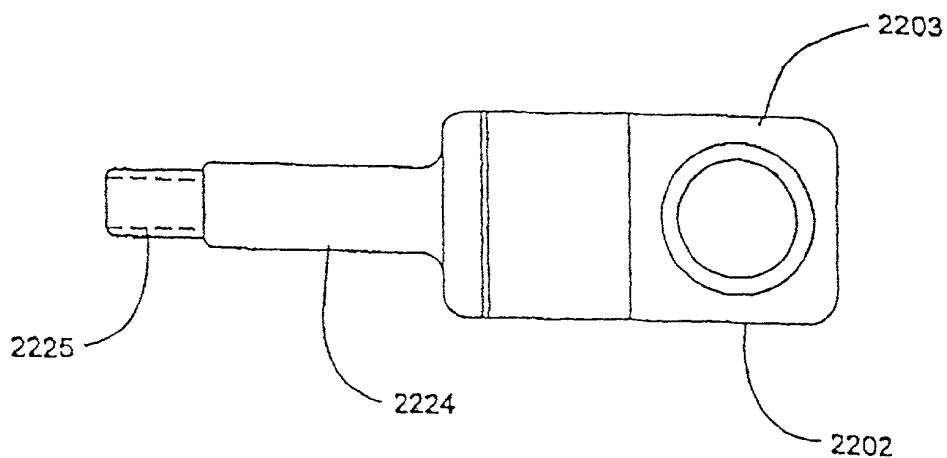


FIG. -143

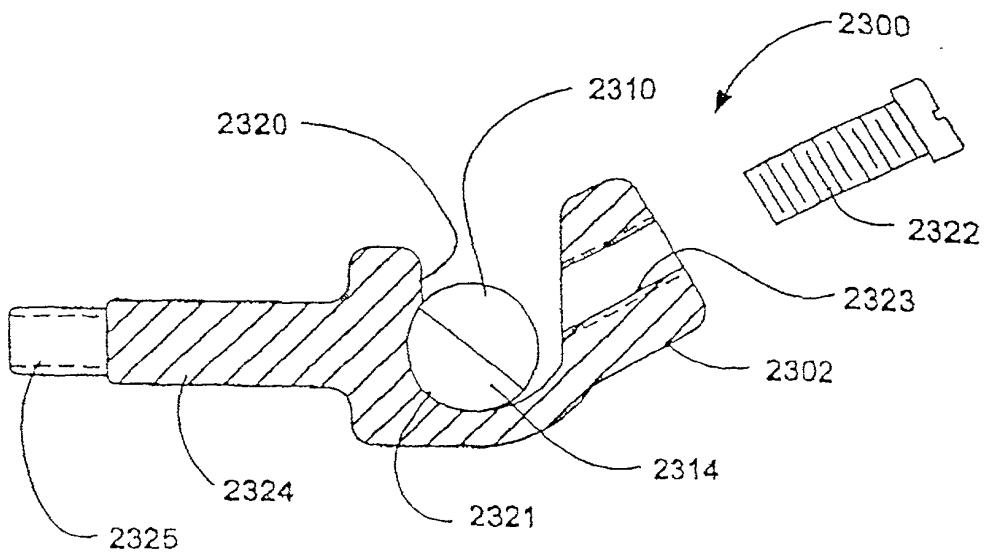


FIG. - 144

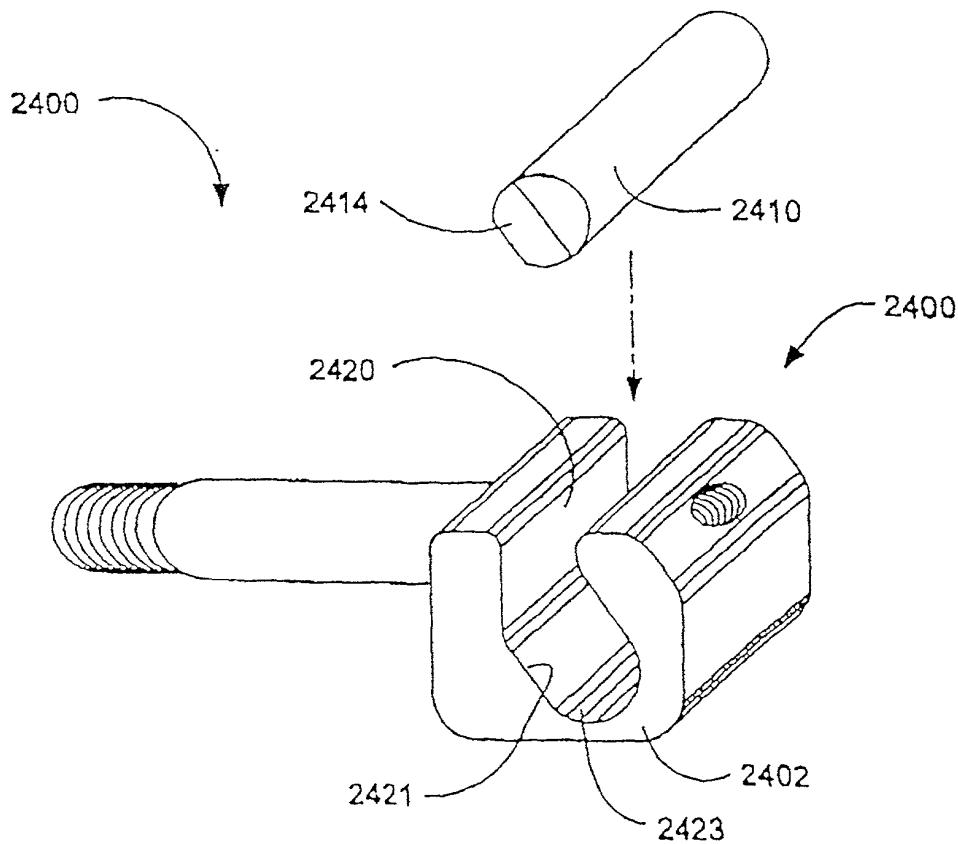


FIG. - 145

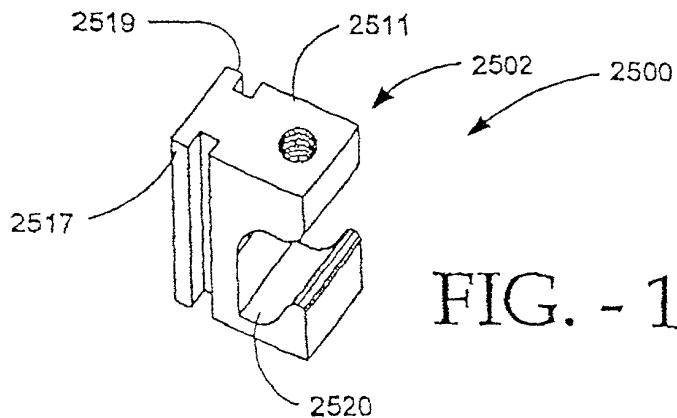


FIG. - 146a

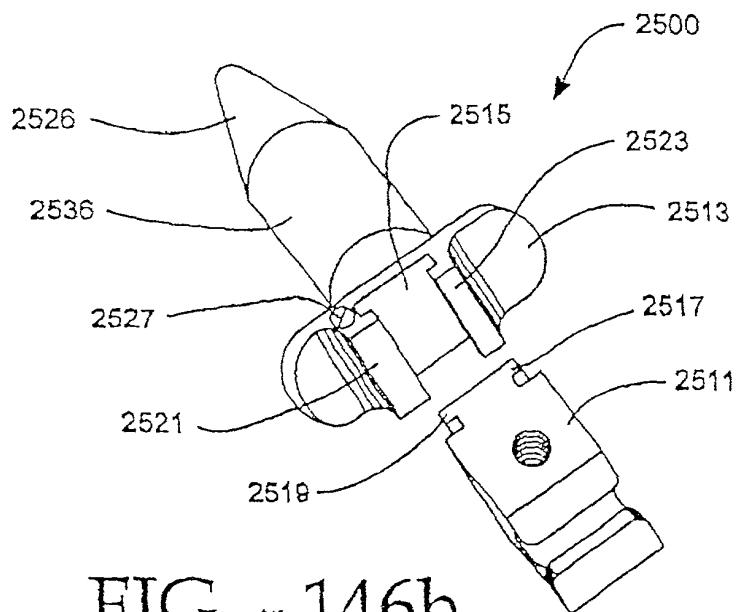


FIG. - 146b

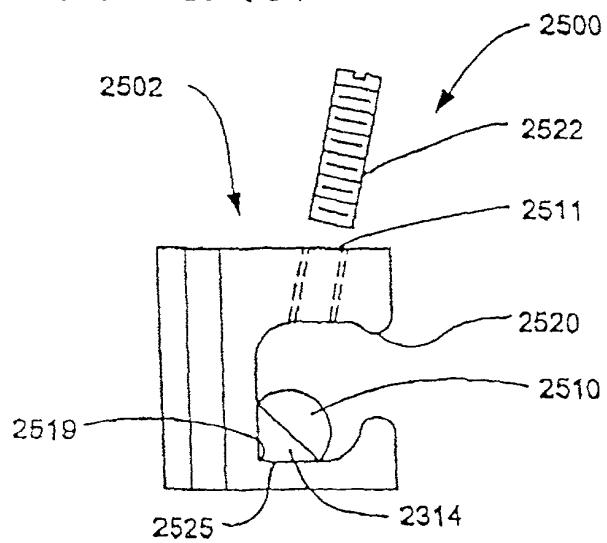


FIG. - 146c

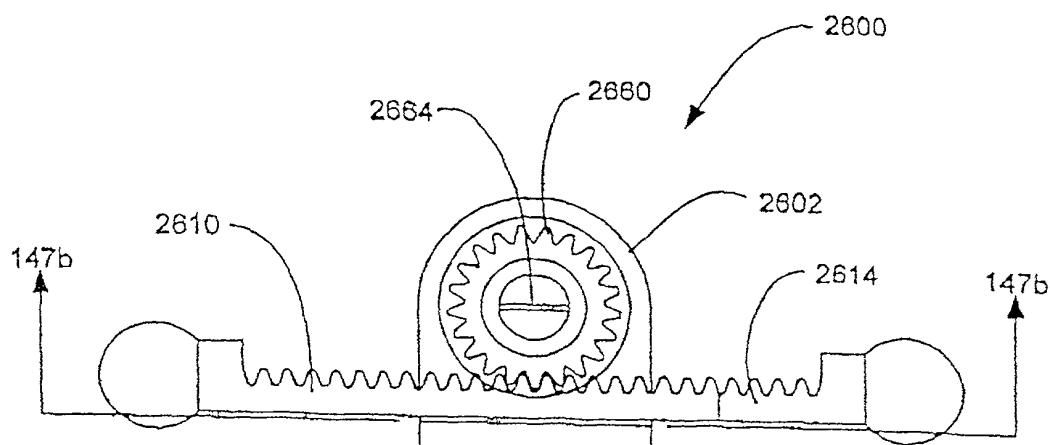


FIG. - 147a

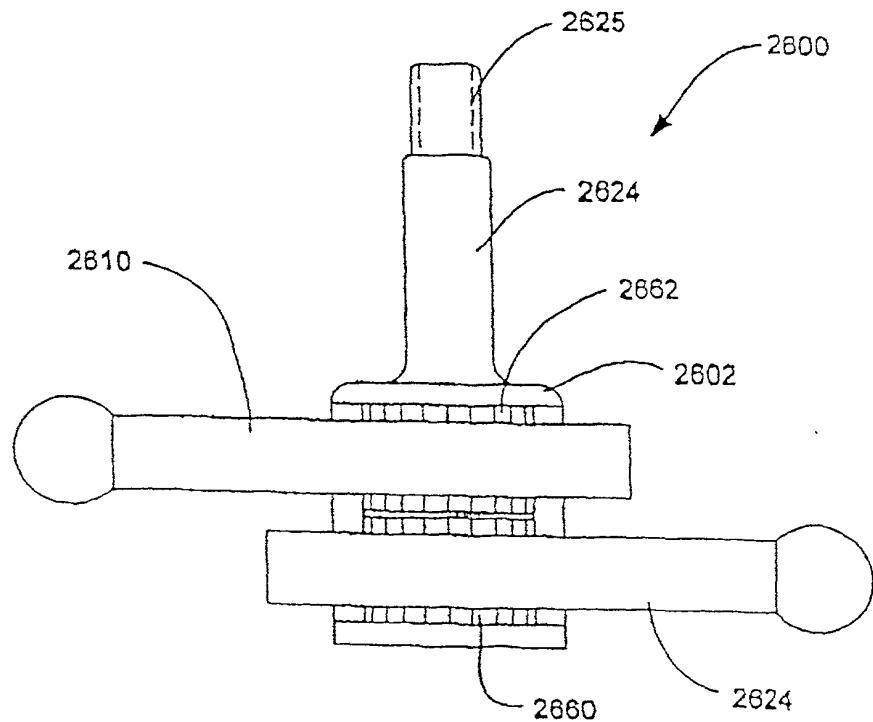


FIG. - 147b

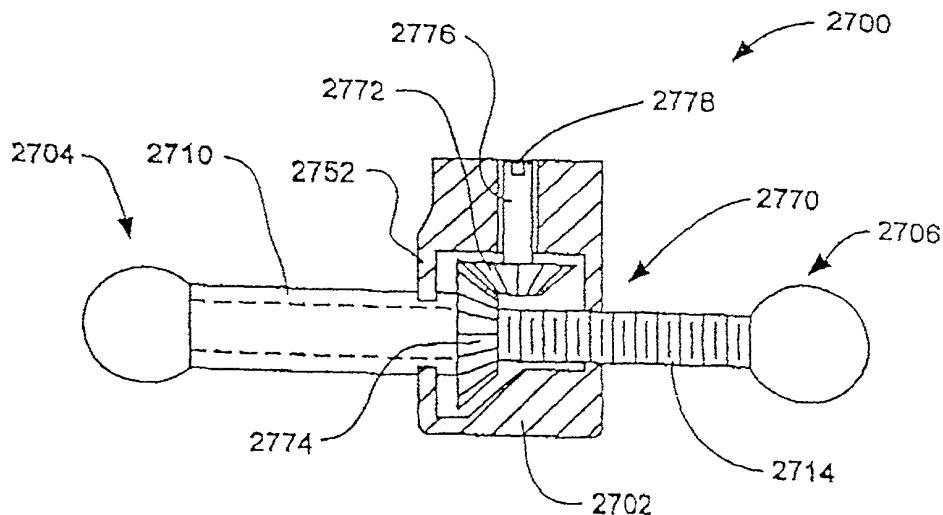


FIG. - 148a

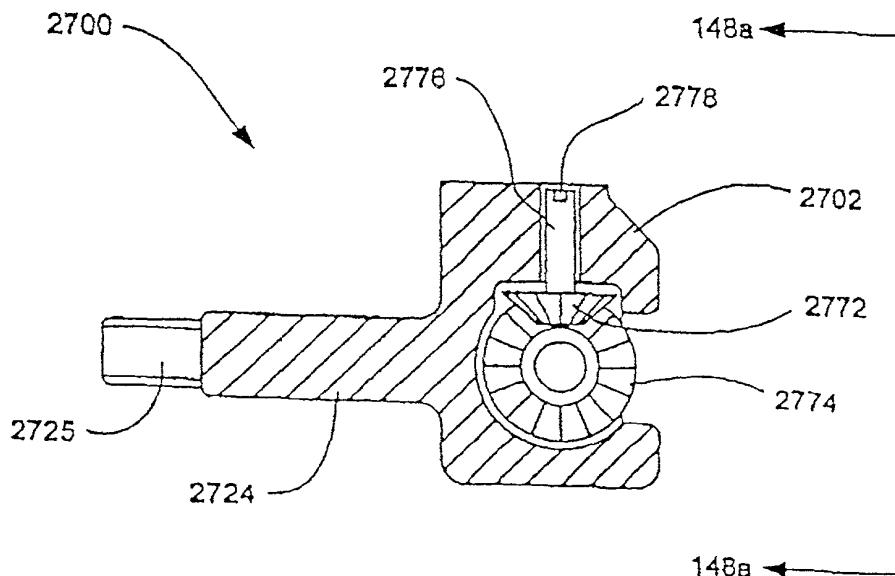
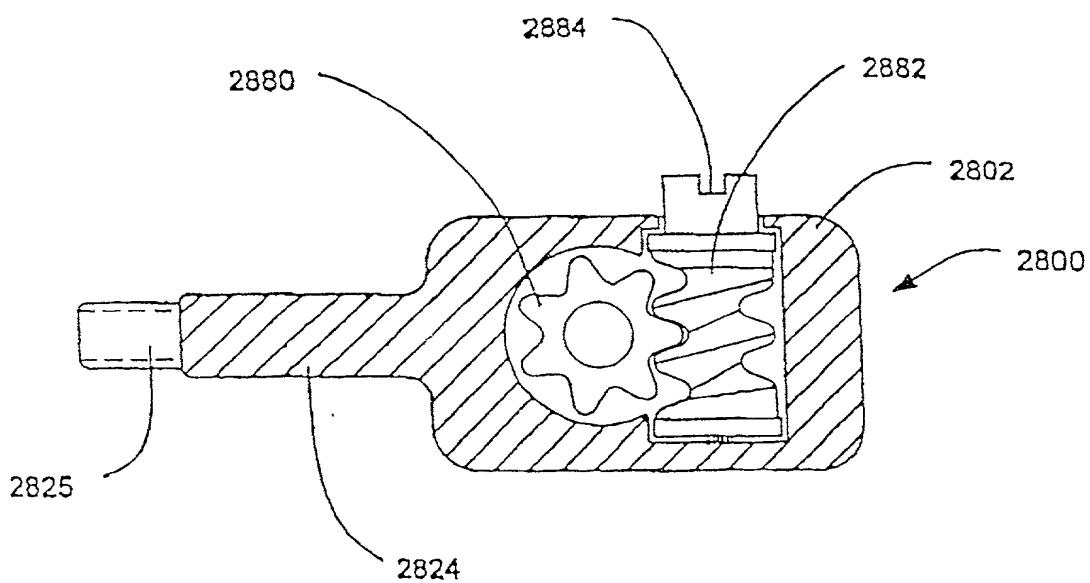
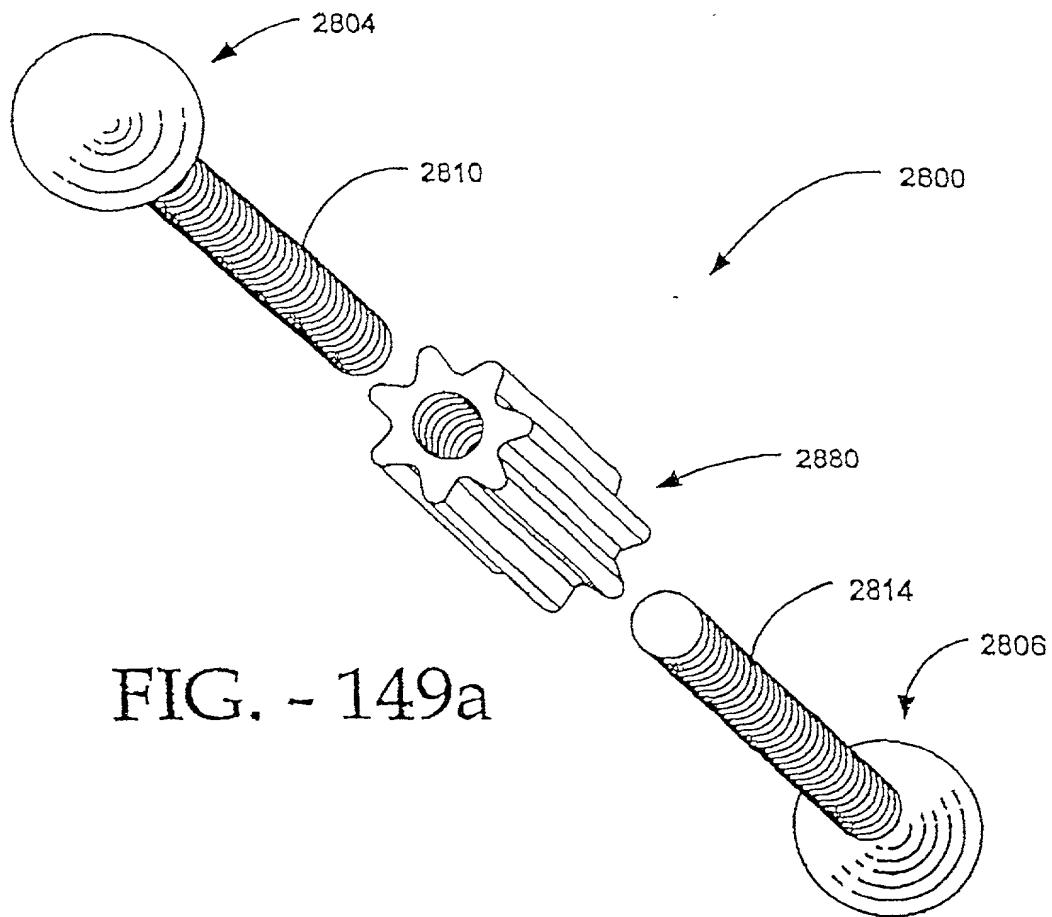


FIG. - 148b



Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 95 of 104

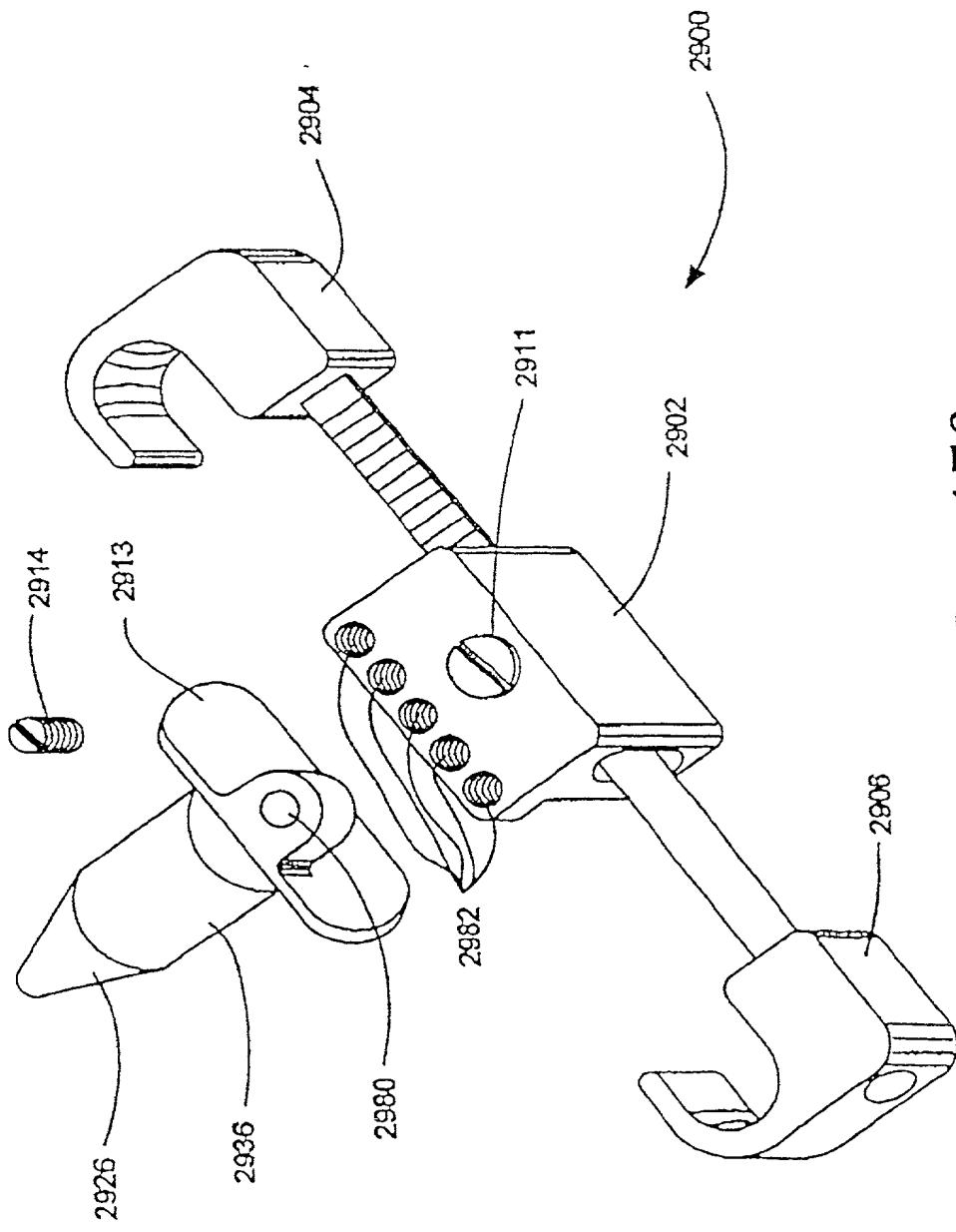


FIG. - 150

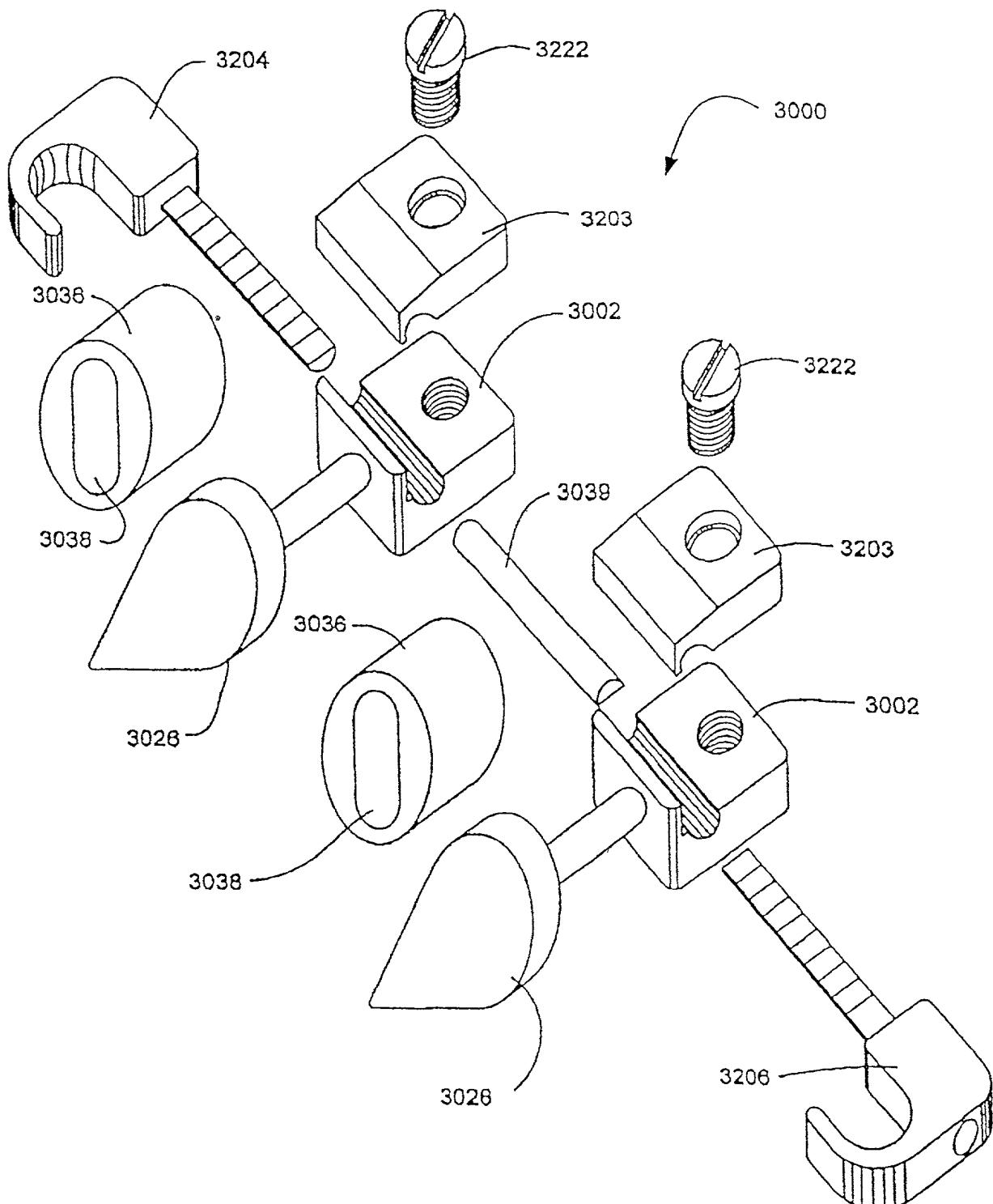


FIG. - 151

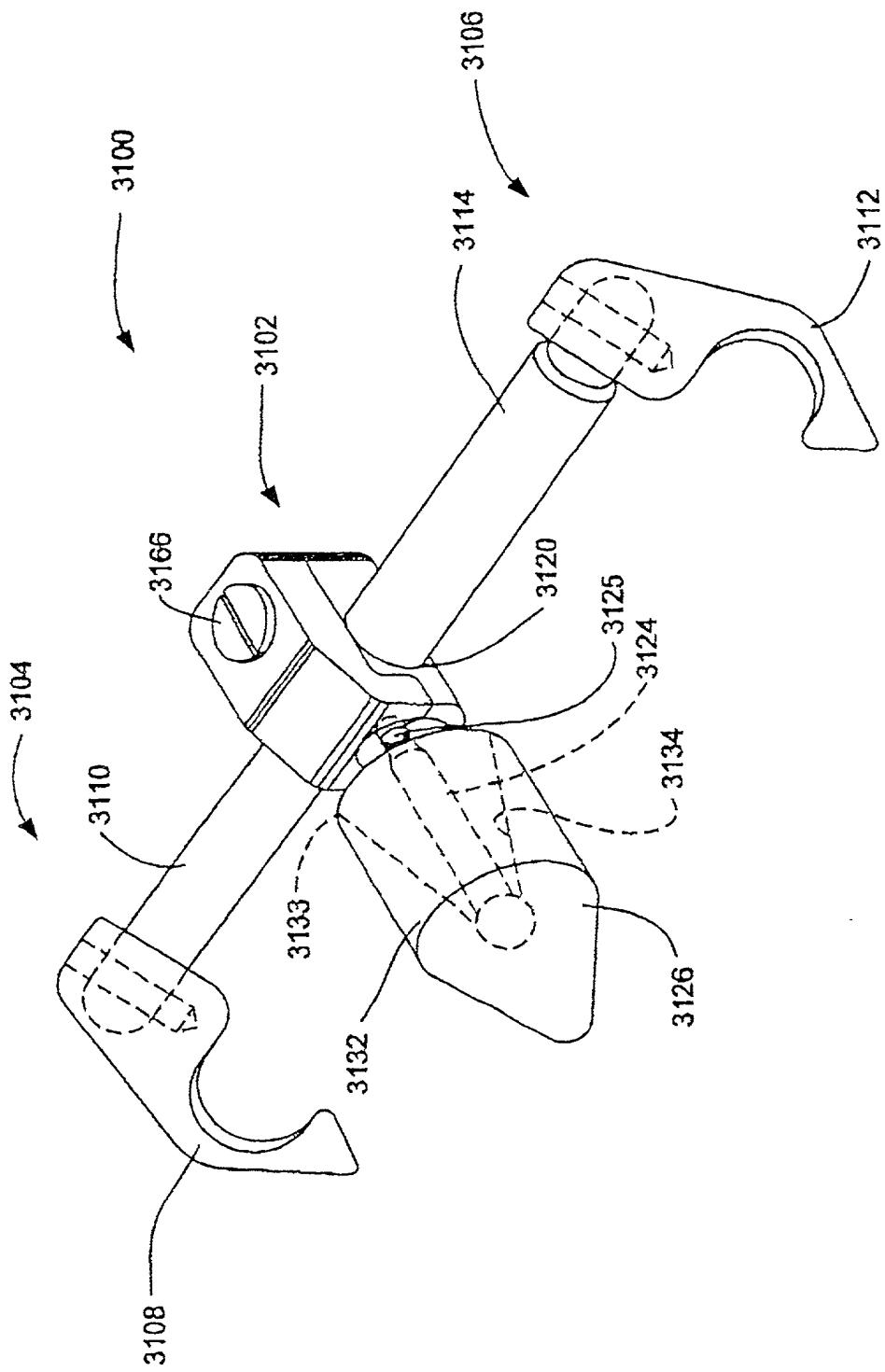


FIG. - 152

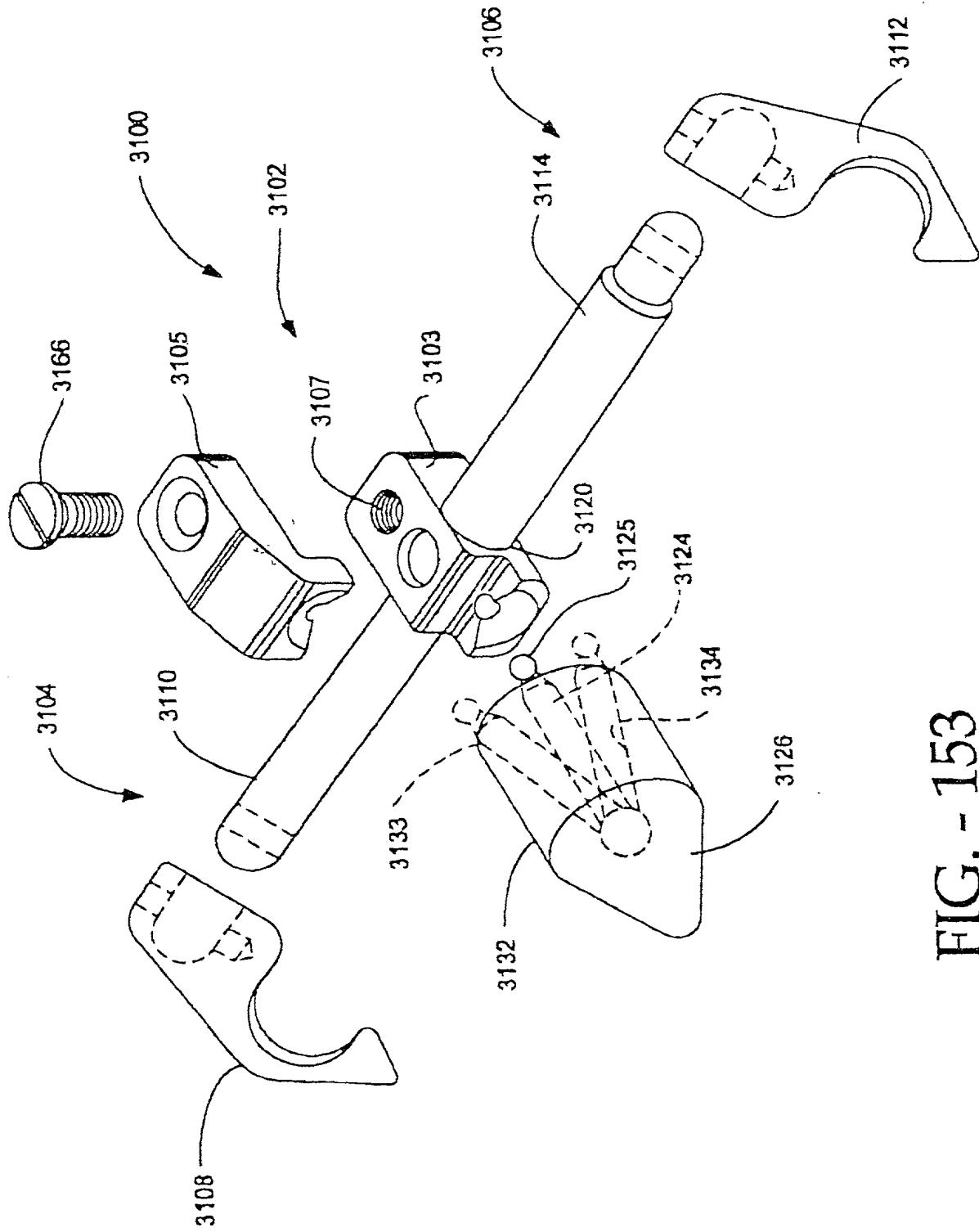


FIG. - 153

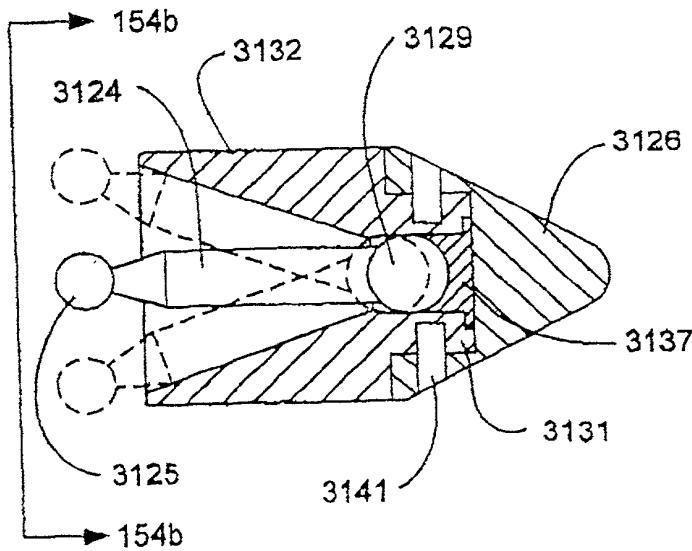
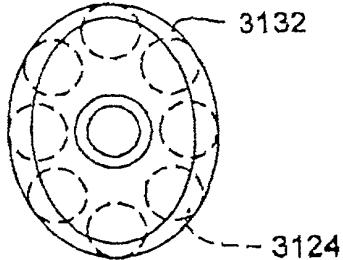


FIG. - 154b

FIG. - 154a

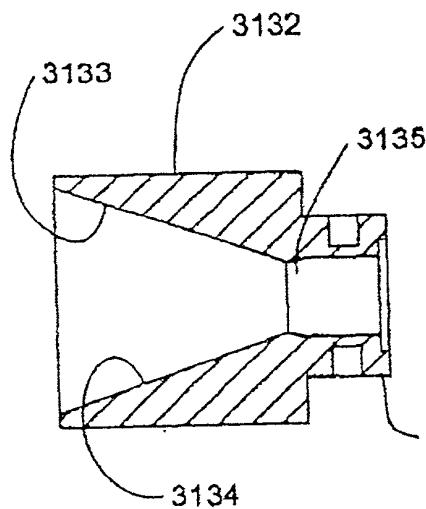


FIG. - 154c

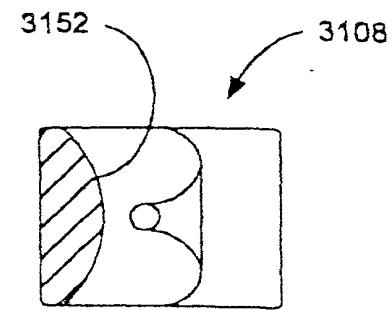
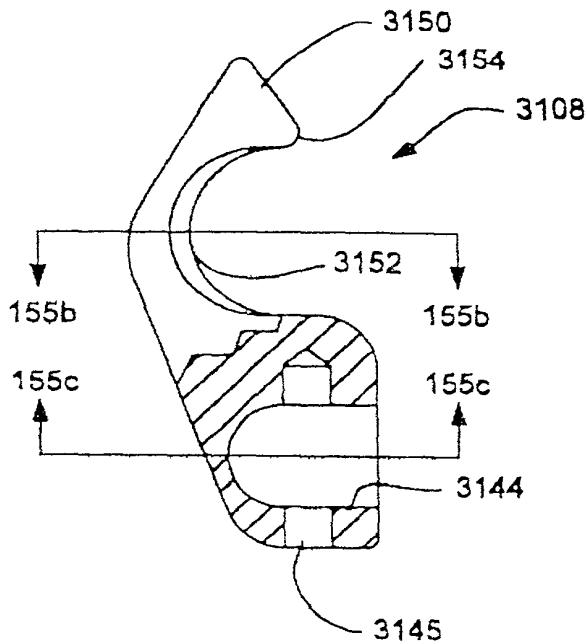


FIG. - 155b

FIG. - 155a

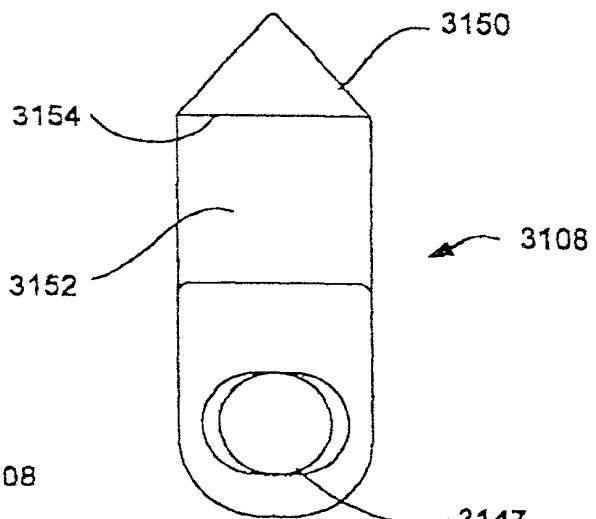
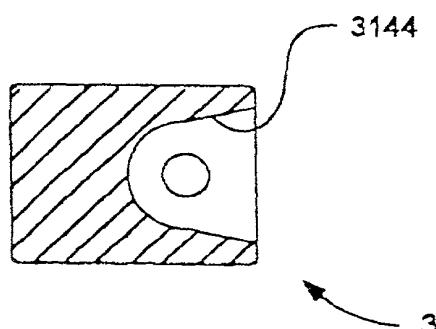


FIG. - 155c

FIG. - 155d

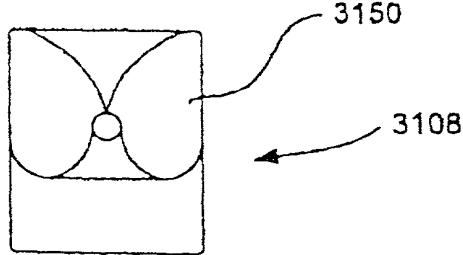


FIG. - 155e

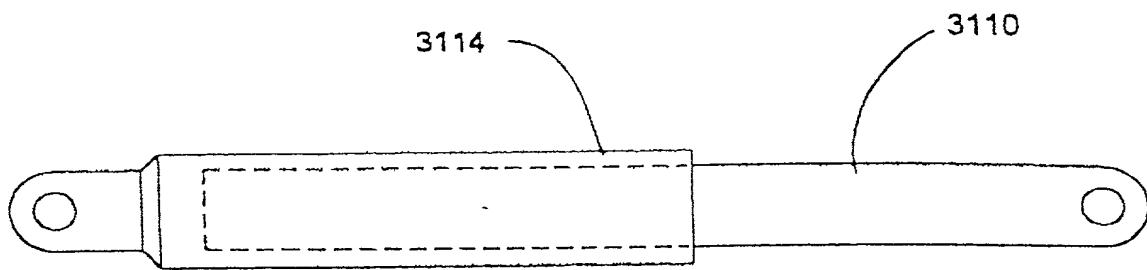


FIG. - 156

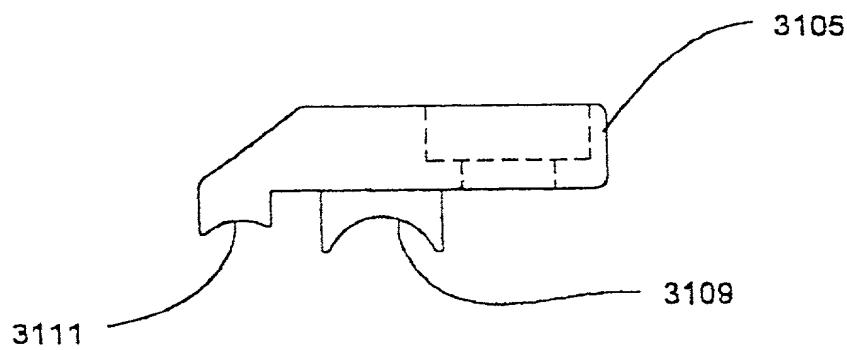


FIG. - 157

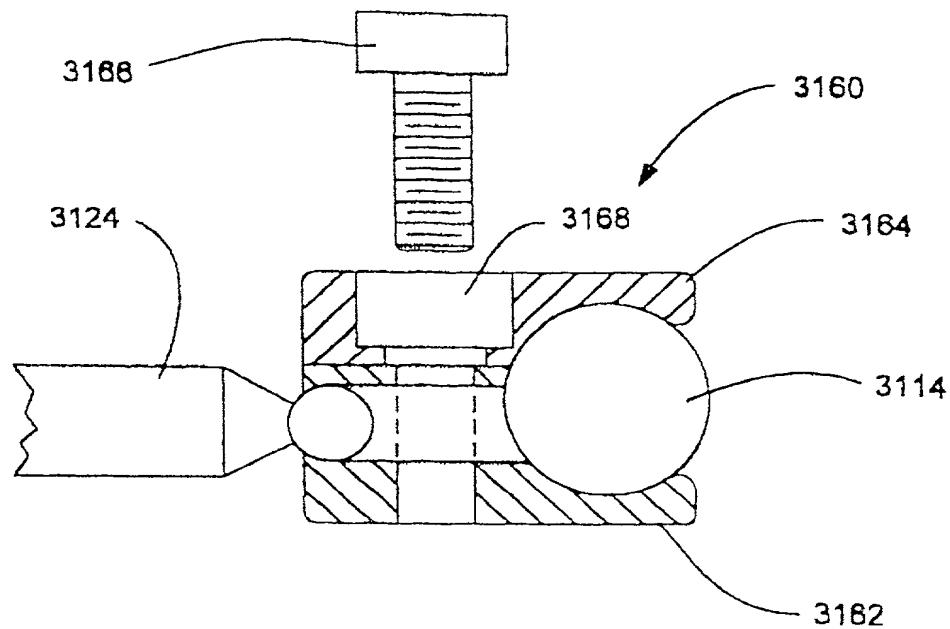


FIG. -158a

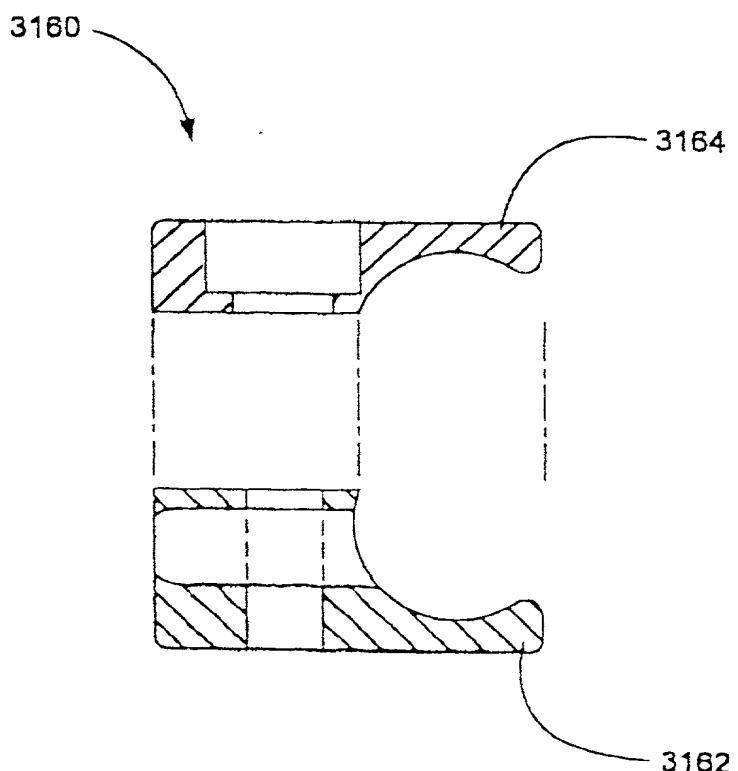


FIG. -158b

Title: SUPPLEMENTAL SPINE FIXATION DEVICE AND METHODS
Docket No.: KLYC-1033US4 SRM Inventors: Zucherman et al.
Serial No.: 09/842,819 Attorney: Sheldon R. Meyer
Filed: April 26, 2001 Phone: (415) 362-3800

Sheet 103 of 104

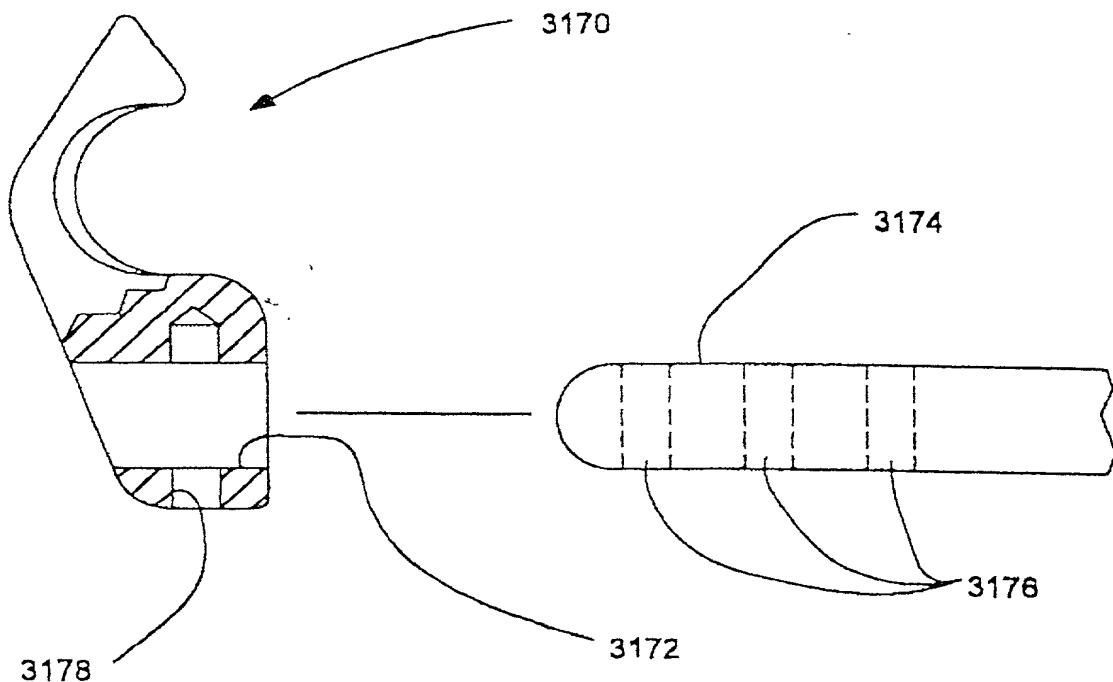


FIG. - 159

FIG.-160

